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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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No. 869

THE AMERICAN FLORIST

TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. C. VAUGHAN, Chicago, president;
J. R. FREEMAN, Washington, D. C., vice-president;
Wm. J. STEWART, 11 Hamilton Place, Room 11, Boston Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-first annual meeting at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass., 1905. Wm. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1905. FRED. H. LEMON, Richmond, Ind., secretary.

Palm Beach in January.

From purple skies without a cloud
A flood of moonlight falls
On miles of scented orange groves
Hung thick with golden balls.
Faint measures pulse along the air,
The music of the band,
And wavelets from enchanted isles
Run lisp up the sand.

The fireflies in the sugar cane
Their nightly revels hold,
The tea rose at the cottage door
Displays a heart of gold;
And where the long gray mosses drop
A curtain by the stream
The waxen calla lily bud
Lies folded in a dream.

The tinkle of a banjo sounds
Across the silvered fields
Its rarest perfume to the breeze
The orange blossom yields;
The robin that so bravely led
New England's tardy spring,
To-night upon a live oak tucks
His head beneath his wing.

Not far beyond the everglades
And green palmetto trees
Are northern cities roofed with snow,
And crystal brooks that freeze;
But here, beside the sapphire sea,
In dewy, fragrant bowers,
Sweet summer in a gauzy robe
Sits weaving orange flowers.

—Leslie's Weekly.

American Carnation Society.

Fourteenth Annual Meeting, Chicago, January 25-26, 1905.

The Convention and Exhibition.

The fourteenth annual meeting and exhibition of the American Carnation Society was held in the large banquet hall of the Auditorium hotel, Chicago, January 25 and 26. The central portion of the beautiful hall was assigned to the exhibition, the southern end to the meeting and the northern end was used to receive and unpack the blooms previous to staging. The whole situa-

belated exhibits due to slow train service were this year few indeed, and when later staged received due recognition from the judges and visitors.

The display, while perhaps not much if any larger than that of a year ago, at Detroit, was certainly far superior in merit, measured by the quality of the blooms and number of varieties shown. The merit of the flowers was not confined alone to size but extended to their fresh appearance which was maintained to the last hours of the show. Few, indeed, comparatively speaking, were the exceptions noted. The happy thought of the management in covering the display tables with light green bunting was an essential feature of the finished appearance of the exhibition and was certainly a great improvement on the cold white usually seen employed for that purpose.

Wednesday Evening Session.

The first session of the convention was called to order in the assembly room of the Auditorium hotel, Wednesday evening, at 8 p. m. by W. N. Rudd. Howard S. Taylor was introduced and he, in behalf of the city of Chicago, delivered an address of welcome to the assembled visitors. He commended the industry and tenacity of carnationists whose efforts in improving the carnation have been productive of such great results as shown in the exhibition hall. He urged a continuance of such efforts and predicted the ideal 4-inch flower as the certain result. In behalf of the assembled visitors E. G. Hill, of Richmond, Ind., made a brief but witty response which was much applauded. President Harts-horne then read his address and Secretary Herr read the full list of awards as shown by the judges' report in another part of the paper. The reports of Secretary Herr and Treasurer Dornier were then read.

The McKinley memorial fund committee reported through Chairman H. M. Altick, of Dayton, O. He urged



President-elect Peter Fisher.

tion was so admirably adapted for the event that it would be difficult to conceive it possible to improve upon. The officers and committees of the local club rendered such valuable and willing assistance to the exhibitors in staging their flowers that this usually exciting work was completed with the least possible friction, and when the hour of 1 p. m. came all was in complete readiness for the judges. The

that the florists give a more generous response to the appeals of the committee, and suggested donating a percentage of their sales on McKinley day. Mr. Rudd in discussing the subject offered the resolution, which was unanimously adopted, that a suitable offering by this society of carnation blooms be sent to the grave of our late lamented president, at Canton, O., on the anniversary of his birth. A resolution was adopted to continue the committee and endorsing its suggestion to give a percentage of their sales to the fund. The report of the nomenclature committee was then read, followed by the reading of a paper on "Carnation Diseases" by Prof. H. Hasselbring, of the University of Chicago. The discussion of this paper was opened by W. N. Rudd, who stated he should have to deny the theory advanced by the essayist that carnations would not "run out" and pointed to the Lawson variety as a distinct example of it. C. W. Ward recommended the sterilization of all soil used inside to prevent stem rot. He found a low temperature conducive to strength of plants and the use of a limited amount of artificial fertilizers. Peter Fisher advanced the theory that perfectly healthy cuttings may become infested with stem rot by a check in the growth. Cuttings left too long in the sand after being rooted would be sufficient cause for originating the disease in question. In answering the question of J. A. Valentine as to what really constituted complete sterilization, Prof. Hasselbring stated that a temperature of 212° or over would totally destroy the germs in the soil. Mr. Weber, of Oakland, Md., said he thought stem rot was nature's method of destroying dead vegetable matter in plants.

BOSTON GETS THE NEXT CONVENTION.

The matter of selecting the next meeting place was then taken up. Secretary Herr read letters from Vice-President Wm. Gammage, of London, Ont., and J. H. Dunlop, inviting the society to meet in Toronto. An invitation was received from the Massachusetts Horticultural Society to meet in Boston, seconded by the Gardeners' and Florists' Club of that city. After considerable discussion the matter was put to a vote which was very evenly divided. It was later found, however, by reference to the constitution that the directors alone were empowered to appoint a meeting place. Mr. Dunlop then withdrew his invitation in favor of Boston and the latter place was finally selected by the directors. The nomination of officers was then taken up and the evening session adjourned.

Thursday Morning Session.

The Thursday morning session opened with the announcement of the committee on final resolutions, George A. Rackham, M. A. Patten and C. W. Johnson. The discussion of the president's address was opened by C. W. Ward, who was substituted in W. N. Rudd's place on the committee. Speaking for the committee in reference to the All America flower show, he said that a standing committee should be appointed, the members coming from different parts of the country, to carry into effect the suggestions of the president, making the exhibition of seed-

lings the chief object. These shows should be given in the fall in connection with the regular fall exhibitions.

It was recommended that the matter of numerous sports, the similarity of which causes much confusion, be left in the hands of the nomenclature committee.

A paper on "Cutting, Packing and Shipping Carnations" was then read by C. L. Washburn with practical demonstrations. E. G. Gillett opened the discussion on the paper by saying that all the growers knew well enough how and when to cut the blooms for shipment, but they too frequently ignore many essential points in preparing and shipping the stock. He urged all growers to be more careful in the handling and shipping of cut blooms. After a vote of thanks to Mr. Washburn, the report of the judges on miscellaneous exhibits was submitted and the session adjourned.



Vase of Pierson's Variegated Lawson.

Thursday Afternoon Session.

The Thursday afternoon session convened at 2 o'clock. A paper on "Exhibition Carnations" was read by Fred Lemon, of Richmond, Ind. A lively discussion followed in which Eugene Dailledouze, of Flatbush, N. Y., and Richard Witterstaetter, of Cincinnati, O., took an active part. The president nominated a committee to arrange for the annual exhibition of seedlings as follows: C. W. Ward, Fred Lemon and R. Witterstaetter. The officers as nominated by the nominating committee at the session Wednesday evening were then unanimously elected as follows: President, Peter Fisher, Ellis, Mass.; vice-president, John Dunlop, Toronto, Ont.; secretary, Albert M. Herr, Lancaster, Pa.; treasurer, Fred Dorner, Jr., LaFayette, Ind.; director, three

years, Wm. Weber, to succeed himself; judge, three years, Wm. Nicholson.

On motion of J. A. Valentine it was decided to send an expression of appreciation to Wm. Scott, of Buffalo, N. Y., for his valuable services in the past as judge of the society. A motion was carried instructing the secretary to draw up proper resolutions on the deaths of Elisha Nye Peirce and Henry Weber, whose loss to the society was great. M. Stuart asked for some recognition of the Purdue Experiment Station, which institution is about to be abandoned because of lack of funds. He also asked the society's endorsement of the work of that institution.

President Hartshorne's Address.



What little I wish to say to you must be fragmentary owing to my desire to avoid boring you with a long address. We meet today in our fourteenth annual convention. My predecessor has said, did he believe in signs and omens he would be fearful of the success of this, the thirteenth annual meeting. Now I would say, were I a believer in them I would be fearful of what was going to happen to me, as I have the honor of being your thirteenth president. But if I may judge from the many old-time faces before me and such a goodly sprinkling of enthusiastic new ones, the welfare of our society and the success of this meeting is not going to suffer on that account. Some of you have come a thousand miles or more to pay homage to—dare I say the queen—well, to many of us the queen of flowers, the carnation.

This society has done a great work since its organization in promoting these exhibits, offering prizes and certificates for new as well as old carnations, thus making our hybridists work harder than ever to keep pace and meet the ideals of our judges. Without this society I am afraid we would still be plodding along in a marking time fashion as we were fifteen to twenty years ago. It is just fourteen years ago since the dissemination of the once great carnation, Daybreak, which really marked a new era in carnationdom. While several good varieties made a bid for our favor in the following years, it was nine years before Mr. Fisher gave us the Mrs. Lawson, the next real sensation. After that came Prosperity, a variety that is still in a class by itself on account of its distinctiveness. Then came Enchantress, and now Lady Bountiful and Fiancee. Therefore it looks to me as if from now on it is reasonable to expect a new wonder about every year. While we cannot all raise a wonder, each individual member of this society can take some share of the credit for what has been done in advancing the carnation in general.

For you support the society and the society enthuses and stimulates the hybridizer to keep pegging away. That gentleman is now having some valuable help from the sportive tendencies of what were at one time his seedlings, but now good standard varieties. The Mrs. Lawson, for instance, has given us the White Lawson. There is no question but what this variety,



GENERAL VIEW OF THE AMERICAN CARNATION SOCIETY'S EXHIBITION AT CHICAGO, JANUARY 25-26.

now thoroughly fixed, will become a valuable standard. It originated in two or three different establishments, and I believe each one of them is conceded to be identical with the other. It was a good thing for the trade when the owners of these several sports got together and agreed on one name for all of them. There are several other sports which I believe identical in every respect with each other now being registered with the society under different names. This should be stopped, as it only causes confusion to the trade in general.

A matter that has been discussed pro and con in our past conventions is one relative to judging seedlings at various seasons and another one regarding the best month in which to hold our annual exhibition, both of which are worthy of our consideration. I wish to offer a few suggestions along these lines. I would like to have this society go on record as favoring an annual, all America, flower show, to be held in November and in a different city each year. I believe the time is ripe for it. Perhaps the Society of American Florists or the World's Fair Flower Show Association could be induced to take the matter up. If there was such an exhibition it would enable us to see the new carnations in the fall as well as at our own grand show later in the season, without any extra expense to the American Carnation Society. We could offer our certificates there, which might be termed fall certificates, and also collect entry fee the same as usual. This in a measure would cover the part relative to judging seedlings at different seasons, and be a great benefit to introducer and buyer alike of a new variety as well as to the trade in general.

And we need not be so particular as to the date for our own exhibition. Here is another suggestion. If a certain grower has a new carnation for

distribution to the trade, give him the chance of receiving our endorsement or otherwise of its commercial value, by applying to our president for a committee of judges or practical growers to visit his establishment and inspect the variety growing, say two or three times during the season. The committee could consist of three good men living in his (the grower's) vicinity. I believe this plan is followed by the New York Florists' Club. It would be just as easy to get the committees for this purpose as it is for the Chrysanthemum Society of America to secure its several committees, to meet every Saturday for two or three months.

One feature of the carnation plant we can congratulate ourselves upon more than any other, I believe, is the healthiness of the acknowledged present day standard varieties. We do not hear so much about stem-rot, bacteria, rust, etc., as we did four or five years ago. The reason for this I lay to the fact that the hybridist has refrained from using for crossing purposes varieties that are subject to those diseases, and again to our semi-indoor mode of culture, early planting, which I recommended in my essay at the Buffalo meeting.

The prices obtainable for carnation blooms the past few years has hardly kept pace with the improvement and the quality of them. When we held our convention in this city seven years ago, fancy carnations were bringing 8 cents at the holidays and occasionally higher prices were heard of. The best varieties at that time were Jubilee, Mayor Pingree, Mrs. McBurney and Mrs. Geo. M. Bradt. The same prices were realized this season for improved varieties that were better grown, but the years between rarely saw the top figures, and yet the cost of production is much higher. The reason for this state of affairs is no

doubt due to overproduction; but when you take into consideration that there are a million more plants grown in this vicinity alone, producing about fourteen millions a year more blooms for this, the Chicago market, we can hardly be surprised at the non-advancement of the price. Still I doubt if we have much reason to complain, for during that period we have had no panic in the business world and no serious slump in flowerdom, and the prospects of the future I think are encouraging. Personally I think we are on the eve of an unusually prosperous era, and I trust the carnations will reap their share of the benefits.

Since we last met in Chicago, we have been to Philadelphia, Buffalo and Baltimore, each one of these cities approximately a thousand miles from the western carnation belt, making it very difficult for growers in that vicinity to make creditable showings. In the years following the conventions mentioned we went to Indianapolis, Brooklyn, Detroit, and now Chicago. This is as it should be. Now let us go east again, the middle east, or even enter new fields, as I believe great benefits are derived by our society in spreading the knowledge of our work and showing the products of our skill in any city within a reasonable shipping distance of a carnation center.

The growth of the carnation's popularity among all classes of people should be very gratifying to us, and still I believe it to be only in its infancy. One thing more than all others that will, I am sure, increase this popularity in the future, is that grand body, the Carnation League of America, with 3,000,000 members, each wearing a carnation on each January 29th as a tribute to the memory of our beloved President McKinley.

We shall soon hear the report of the judges of the present exhibition. Some of us will be disappointed; others will

experience those thrills of joy which victory brings. If you are a new exhibitor and are beaten, do not be discouraged. Take your defeat with good grace, find out if possible the weak points of your exhibit and return home with a determination to overcome them next year.

Before concluding, I beg of you, one and all, to attend the sessions and stay with them until each one is over. Help us to get through with what business we have and make this convention what it ought to be, the greatest yet. After the sessions are over there will be plenty of time to explode your otherwise pent-up enthusiasm. That your Chicago friends will be with you and stay with you to the end, is a foregone conclusion. Now to business.

Secretary Herr's Report.



Your secretary reports having issued the regular printed matter of this society during the past year and mailing the same to all the members of the society.

The attempt was made of issuing the full premium list early in the fall and mailing the same at two different times, once in October and again in January. The idea was to give the advertisers in this list the advantage of a double circulation. The attempt can hardly be called a success, as it was almost impossible to get advertising and specials together in September. They were received so slowly that it came to be a rush job and an error or two in the copy was the result. These were corrected in the issue sent out in January and a few additions made to the list in the form of a supplement.

We are as yet without a permanent stenographer (that is the same stenographer for every meeting) and until we get one, our reports are bound to be incomplete in some respect. We were fortunate in securing at the last meeting and for this one, stenographers who have had some experience in horticultural matters, but to give us a complete report such as this society should have, requires a stenographer who will be with us year after year, get acquainted with us, know our names, our voices and the meaning of all the terms we use.

There were during the year the usual number of complaints as to mail matter not reaching the members, in several instances four pieces having been sent the same party. In justice to myself I want to say that all regular matter such as circulars, premium lists, etc., are sent out addressed by a machine that makes it a mechanical impossibility to miss any one.

While we are not by any means in financial straits yet there are so many things the society could do with ample funds back of it, that we should use every endeavor to increase our permanent fund and our membership as well. For the latter I would suggest a display advertisement got up with a cut of the front cover of our annual report and inserted in the trade papers the week the report is sent out at a cost not to exceed \$5.00 for each paper used, and one insertion only. With the papers presented for this meeting our report ought to be a good one and a strong, pictured, good sized advertisement ought to pay well in the increase of our membership.

Any member who has either criticism or new ideas for the advancement of the society can have the same brought before the board of directors

promptly, by sending them in writing to the secretary, either at this meeting or any time during the year. There is no stop to the development of the carnation, there can be none to this, its patron society, but we need the assistance of every member as well as the board of directors and other officers.

Treasurer Dornier's Report.



The report of Treasurer Dornier showed the following facts and figures:

EXPENDITURES.

Vouchers paid. \$ 752.64
Balance cash
on hand 413.13

Total\$1165.77

RECEIPTS.

Balance, Feb. 20, 1904.....\$ 253.36
Cash from member-
ship\$556.00
Cash from interest..... 78.16
" " registering .. 14.00
" " advertising .. 186.25
" " late entries.. 2.00
" " certificates of
merit 50.00
Cash from special pre-
miums 26.00 \$ 912.41

Total\$1165.77

PERMANENT FUND.

Balance Feb. 20, 1904.. \$1910.21
Boston and Scott ferns.
Cash, Chicago Carnation
Company\$50.00
Balance, C. W. Ward... 36.00 \$ 86.00

Total\$1996.21

Report of Nomenclature Committee.

There were registered during the year the following carnations:

W. L. Lewis, Marlboro, Mass., Mrs. W. L. Lewis.

Baur & Smith, Indianapolis, Ind., Flambeau and Beatrice.

W. B. Arnold, Rockland, Mass., Variegated Lawson.

F. A. Blake, Rochdale, Mass., Harvard Crimson.

H. Weber & Sons, Oakland, Md., My Maryland.

L. E. Marquisee, Syracuse, N. Y., White Enchantress.

F. R. Thornton, Streator, Ill., Melody.

Guttman & Weber, New York, N. Y., Victory.

Indianapolis Flower & Plant Co., Indianapolis, Ind., Coral, Allspice and Candace.

W. A. Harkett, Dubuque, Iowa, Maid of Honor.

Robert C. Pye, Nyack, N. Y., Senator Crane.

D. C. Noble, Columbia City, Ind., Uncle Peter.

There has been some complaint about the name Senator Crane from the members of this committee, lest it be confounded with the variety G. H. Crane. The secretary took this matter up with Mr. Pye and he replied that it was named because the flower was associated with the Crane family and that by the time it was likely to be introduced the older variety, Crane, would no longer be grown. He refused, therefore, to change the name.

The variety, Uncle Peter, is similar



VARIEGATED LAWSON.—FULL SIZE.

(Introduced by F. R. Pierson Company, Tarrytown, N. Y.)

in description to Melody, and we hope at this show to have the two varieties together for comparison, Melody having priority of registration.

Lawson pink.—Emil Buettner first, with Mrs. T. W. Lawson; Poehlmann Brothers Company second, with Mrs. T. W. Lawson.



E. G. HILL COMPANY'S LADY BOUNTIFUL, AT CHICAGO CONVENTION.
(First prize 100 white.)

Report of the Judges.

The following is a complete list of the awards:

CLASS A—ONE HUNDRED BLOOMS.

White.—E. G. Hill Company, Richmond, Ind., first, with Lady Bountiful; W. J. & M. S. Vesey, Fort Wayne, Ind., second, with Lady Bountiful.

Daybreak pink.—Chicago Carnation Company, Joliet, Ill., first, with Enchantress; The E. G. Hill Company second, with Enchantress.

Lawson pink.—Chicago Carnation Company first, with Mrs. T. W. Lawson; Emil Buettner, Park Ridge, Ill., second, with Mrs. T. W. Lawson.

Scott pink.—Chicago Carnation Company first, with Fiancee; no second.

Scarlet.—Chicago Carnation Company first, with Cardinal; J. D. Thompson Carnation Company, Joliet, Ill., second, with Robert Craig.

Crimson.—Chicago Carnation Company first, with Harlowarden; Cottage Gardens, Queens, N. Y., second, with The President.

Yellow variegated.—Chicago Carnation Company first, with Dorothy Whitney; no second.

White variegated.—J. D. Thompson Carnation Company first, with Mrs. M. A. Patten; W. J. & M. S. Vesey, second, with Glendale.

Any other color.—Poehlmann Bros. Company, Chicago, first, with Prosperity; no second.

CLASS B—FIFTY BLOOMS.

White.—Emil Buettner first, with Gov. Wolcott; E. G. Hill Company second, with Lady Bountiful.

Daybreak pink.—E. G. Hill Company first, with Enchantress; Chicago Carnation Company second, with Enchantress.

Lafayette, Ind., second, with Dorothy Whitney.

White variegated.—Chicago Carnation Company first, with Mrs. M. A. Patten; E. G. Hill Company second, with Mrs. M. A. Patten.

Any other color.—Chicago Carnation Company first, with Prosperity; second divided between Poehlmann Brothers Company and W. J. & M. S. Vesey, with Prosperity.

CLASS C—TWENTY-FIVE BLOOMS.

White.—Emil Buettner first, with Gov. Wolcott; J. D. Thompson Carnation Company second, with Gov. Wolcott.

Daybreak pink.—Emil Buettner first, with Morning Glory; Chicago Carnation Company second, with Fair Maid.

Lawson pink.—Emil Buettner first and second, with Mrs. T. W. Lawson.

Scott pink.—J. D. Thompson Carnation Company first, with Mrs. E. A. Nelson; H. Weber & Sons second, with Genevieve Lord.

Scarlet.—H. Weber & Sons first, with Estelle; J. D. Thompson Carnation Company second, with Estelle.

Yellow variegated.—Chicago Carnation Company first, with Dorothy Whitney.

Any other color.—Guttman & Weber, Lynbrook, N. Y., first, with Prosperity; W. J. & M. S. Vesey second, with Prosperity.

SPECIAL PREMIUMS—CLASS D.

Wm. Scott's prize for fifty blooms scarlet, E. G. Hill Company first, with Cardinal; Guttman & Weber second, with Victory.

CLASS E.

E. G. Gillett's prize for best fifty blooms, no first; E. G. Hill Company second, with Cardinal.

CLASS O.

H. Weber & Son's prize, E. G. Hill Company first, with Gov. Lowndes; same, Guttman & Weber first, with Genevieve Lord.

CLASS H.

Best fifty blooms Crusader.—John

Scott pink.—J. D. Thompson Carnation Company first, with Mrs. E. A. Nelson; H. Weber & Sons, Oakland, Md., second, with Lord.

Scarlet.—J. D. Thompson Carnation Company first, with Estelle; no second.

Crimson.—Cottage Gardens first, with The President; same second, with Octoroon.

Yellow variegated.—Chicago Carnation Company first, with Dorothy Whitney; F. Dorner & Sons Company,



C. W. WARD'S SEEDLINGS, AT CHICAGO CONVENTION.

Breitmeyer's Sons, Detroit, Mich., first.

CLASS M.

Best fifty blooms Indianapolis.—Emil Buettner.

CLASS N.

J. C. Moninger Company's prize for

Report of Judges on Miscellaneous Exhibits.

F. R. Pierson Company, Tarrytown fern, very fine.

Waban Rose Conservatories, pink rose, Wellesey, very fine.

J. M. Gasser Floral Company, red

Detroit, fine blooms; fine display of snap dragon.

Eli Cross, good display of violets, single and double.

Roht. Klagge, interesting display of seedling carnations.

B. K. & B. Floral Company, display Richmond Gem carnation.

J. H. Peterson, Begonia Turnford Hall, very interesting.

E. G. Hill Company, new rose, Richmond, a magnificent rose, beautifully staged; Rosalind Our English, a fine pink rose.

Nathan Smith & Son, Chrysanthemum John Burton, remarkably good and late.

R. Witterstaetter, a fine exhibit too late for competition.

F. Dorner & Sons, a striking vase of many unnamed seedlings.

F. R. Pierson Company, good display of White Lawson and an exhibit of 100 blooms of nice Variegated Lawson.

Cottage Gardens Company, large display of Ethel Ward and many unnamed seedlings.

W. J. Palmer & Son, fine exhibit of Red Lawson.

Jottings.

A large number of convention visitors made a flying trip to Joliet Friday morning to visit the establishments of the Chicago Carnation Company and the J. D. Thompson Carnation Company.

The visiting ladies were informally entertained at dinner in the Auditorium annex Thursday afternoon, followed by a delightful theater party at Studebaker's theater. Palmer's Red Lawson carnations were used in the table decorations.

The Banquet.

The beautifully decorated banquet hall on the sixth floor of the Audl-



CARNATION MY MARYLAND AT CHICAGO CONVENTION.

(Vase of Robert Craig second exhibit from left.)

best fifty crimson, first and second divided between Chicago Carnation Company and Poehlmann Brothers' Company; same, best fifty yellow.

CLASS O.

Foley Manufacturing Company's cup for best 100 blooms arranged for effect, Jos. M. Smely, Aurora, Ill., half the prize.

SWEEPSTAKES.

Best vase in class A, Chicago Carnation Company first, with Fiancee.

Best vase in class B, E. G. Hill Company first, with Enchantress.

CERTIFICATES.

Preliminary certificate.—C. W. Ward for the following seedlings: No. 569, 93 points; 234, 86 points; 211, 91 points; Alma Ward, 88 points; 2528, 85 points; 2653, 86 points.

E. G. Hill Company, seedling No. 12, 85 points.

S. J. Goddard, Framingham, Mass., Helen Goddard, 85 points.

SPECIAL MEDALS.

The Lawson medal for the best vase of 100 blooms, any variety, any color, Chicago Carnation Company, for Fiancee.

Silver medal for the best fifty undis-seminated blooms, C. W. Ward, for Robert Craig.

Bronze medal for second best vase of fifty blooms, H. Weber & Sons, for My Maryland.

S. A. F. silver medal, J. D. Thompson Carnation Company, for Robert Craig.

S. A. F. bronze medal, H. Weber & Sons, for My Maryland.

Vaughan's cup for best fifty undis-seminated blooms, any color, H. W. Buckbee, for seedling No. 38.

A. Dietsch & Co.'s prize for best fifty undis-seminated from Illinois, J. D. Thompson Carnation Company, for Robert Craig.

rose, Gen. MacArthur, a very fragrant, pretty flower.

Indianapolis Flower and Plant Company, and John Hartje, Candace, a very pretty pink; Coral, promising daybreak pink; Allspice, variegated, very good.

Swan Peterson Floral Company, white seedling, nice commercial white; The Belle and display of other varieties.

John Breitmeyer's Sons, Rose La



CARNATION WHITE LAWSON.—FULL SIZE.

torium hotel was the scene of the closing event of the convention Thursday evening. Completeness in all particulars marked the efforts of the local committee to dispense to the 200 visitors present the well known hospitality of the Chicago florists. At the close of the enjoyable feast W. N. Rudd introduced President-elect Peter Fisher, who was greeted with loud applause. He spoke encouragingly of the great possibilities of the society and urged all to pull together to attain the great results he hoped and predicted for the next convention at Boston.

The responses to toasts were: E. G. Hill, "Frenzied Finance;" J. C. Vaughan, "Conventions and Flower Shows;" E. C. Miller, of Bracondale, Canada, "The Good Old Times;" C. W. Ward, "What About the Future?" Brief addresses were also made by James Hartshorne, F. R. Pierson, Lewis Ullrich, F. Dorner, Jr., and Phil Hauswirth and a song by W. J. Lawrence. Before the close of the festivities Mr. Rudd made a formal presentation of the medal awards: Chicago Carnation Co., Lawson medal; C. W. Ward, silver medal; H. Weber & Sons, bronze medal.

George A. Rackham then read final resolutions, as follows:

Your committee on final resolutions begs to report: that it feels itself entirely unable to express its appreciation of the unbounded hospitality, unvarying courtesy and kindness of the Chicago Florists' Club towards the members of the American Carnation Society, therefore,

RESOLVED, that the thanks of this society be extended to the Chicago Florists' Club and to Phil Hauswirth to whom much credit is due for the success of the splendid exhibition of the divine flower and to the committee of arrangements, J. C. Vaughan, Leonard Kill and P. J. Hauswirth.

GEO. A. RACKHAM.

C. W. JOHNSON.

M. A. PATTEN.

The Visitors.

Among those in attendance at the convention we noted the following:

H. M. Altick, Dayton, O.
Henry Baer, Peoria, Ill.
Geo. Bartholomew, Dayton, O.
Guy Bate, East Cleveland, O.
A. F. J. Bauer, Indianapolis, Ind.
Prof. A. C. Beal, Urbana, Ill.
Ed. Bertermann, Indianapolis, Ind.
John Bertermann, Indianapolis, Ind.
Peter Beuerlein, Elmhurst, N. Y.
G. Boehringer, Bay City, Mich.
Fred Breitmeyer, Detroit, Mich.
H. W. Buckbee, Rockford, Ill.
H. Bunyard, New York.
Fred Burki, Allegheny, Pa.
F. G. Butz, New Castle, Pa.
W. A. Clark, Pittsburg, Pa.
Jas. Clelland, Grove City, Pa.
L. B. Coddington, Murray Hill, N. Y.
Mrs. L. E. Cohn, Manistee, Mich.
Walter Coles, Kokomo, Ind.
E. H. Cushman, Sylvania, O.
Arthur H. Dew, Albion, Mich.
Wm. Dilger, Detroit.
Fred E. Dorner, Lafayette, Ind.
Theo. Dorner, Lafayette, Ind.
C. P. Dudley, Parkersburg, W. Va.
J. H. Dunlop, Toronto, Ont., Can.
J. A. Evans, Richmond, Ind.
Peter Fisher, Ellis, Mass.
E. A. Foster, Cincinnati, O.



CARNATION WHITE LAWSON.

(Introduced by F. R. Pierson Company, Tarrytown, N. Y.)

J. R. Fotheringham, Tarrytown, N. Y.
Frank Friedler, Joliet, Ill.
N. H. Gano, Martinsville, Ind.
E. W. Garland, Washington, Pa.
J. M. Gasser, Cleveland, O.
E. G. Gillett, Cincinnati, O.
I. Gingrich, South Bend, Ind.
H. W. F. Goetz, Saginaw, Mich.
C. Gullett, Lincoln, Ill.
A. J. Guttman, New York.
E. W. Guy, Belleville, Ill.
Carl Hagenburger, West Mentor, O.
J. E. Haines, Bethlehem, Pa.
A. Halstead, Belleville, Ill.
Frank Holznagle, Detroit, Mich.
Jas. Hartshorne, Joliet, Ill.
H. A. Hart, Cleveland, O.
John Hartje, Indianapolis, Ind.
F. G. Hasselman, Indianapolis, Ind.
J. A. E. Haugh, Anderson, Ind.
R. B. Hayes, Shelby, O.
Chas. F. Heite, Kansas City, Mo.
Wm. Hielscher, Detroit, Mich.
W. C. Hill, Streator, Ill.
Chas. Hoffman, DeHaven, Pa.
Fred Huckriede, Indianapolis, Ind.
F. G. Hunt, Park Ridge, Ill.
A. Jablonsky, Wellston, Mo.
C. W. Johnson, Rockford, Ill.

T. C. Joy, Nashville, Tenn.
H. Junge, Indianapolis.
Wm. F. Kasting, Buffalo, N. Y.
Geo. M. Kellogg, Pleasant Hill, Mo.
Mr. Keiffaber, Dayton, O.
R. O. King, North Tonawanda, N. Y.
Chas. Knopf, Richmond, Ind.
F. J. Knecht, Fort Wayne, Ind.
Otto G. Koenig, St. Louis, Mo.
W. L. Kring, Fairbury, Ill.
E. N. Kroninger, Allentown, Pa.
H. J. Krueger, Meadville, Pa.
Geo. A. Kuhl, Pekin, Ill.
L. L. Lamborn, Alliance, O.
W. J. Lawrence, Eglinton, Can.
Fred H. Lemon, Richmond, Ind.
Chris. Lund, Warsaw, Wis.
G. W. Mattson, Chester Heights, Pa.
M. McConnell, Sharon, Pa.
Fred Melnhardt, St. Louis, Mo.
Felix Mensze, Glencoe, N. Y.
W. C. Merkel, West Mentor, O.
John Murchie, Sharon, Pa.
Saml. Murray, Kansas City, Mo.
C. E. Neale, Worcester, Mass.
J. Newby, Logansport, Ind.
Wm. Nicholson, Framingham, Mass.
D. C. Noble, Columbia City, Ind.
M. A. Patten, Tewksbury, Mass.

S. S. Pennock, Philadelphia, Pa.
 A. Peterson, Paxton, Ill.
 J. Peterson, Cincinnati, O.
 Swan Peterson, Gibson City, Ill.
 C. A. Pierce, Waltham, Mass.
 F. R. Pierson, Tarrytown, N. Y.
 C. C. Pollworth, Milwaukee, Wis.
 Geo. A. Rackham, Detroit, Mich.
 John Reimels, Woodhaven, L. I.
 J. C. Rennison, Sioux City, Ia.
 J. Rolker, New York.
 Chas. A. Schmitt, Cleveland, O.
 Jacob Schulz, Louisville, Ky.
 J. A. Shaw, New York.
 Wm. Sims, Cliftondale, Mass.
 H. R. Singler, Morgan Park, Ill.
 S. S. Skidelsky, Philadelphia, Pa.
 Jos. M. Smely, Aurora, Ill.
 Henry Smith, Grand Rapids, Mich.
 H. C. Smith, Piqua, O.
 J. Steidele, Central, Mo.
 O. A. Stoll, Oxford, Pa.
 E. A. Stroud, Strafford, Pa.
 T. B. Stroup, New Philadelphia, O.
 J. S. Stuart, Anderson, Ind.
 L. J. Stuppy, St. Joseph, Mo.
 J. F. Sullivan, Detroit, Mich.
 Albert Sunderbruch, Cincinnati, O.
 Wm. Swayne, Kennett Square, Pa.
 G. H. Taepke, Detroit, Mich.
 J. D. Thompson, Joliet, Ill.
 Herman Ullrich, Tiffin, O.

Lewis Ullrich, Tiffin, O.
 J. A. Valentine, Denver, Col.
 Jno. R. Van Bochove, Kalamazoo, Mich.
 Mrs. W. J. Vesey, Ft. Wayne, Ind.
 John Walker, Youngstown, O.
 Chas. W. Ward, Queens, N. Y.
 Geo. H. Warrick, Washington, Pa.
 Fred C. Weber, St. Louis, Mo.
 Wm. Weber, Oakland, Md.
 J. F. Wilcox, Council Bluffs, Ia.
 F. R. Williams, Cleveland, O.
 R. Witterstaetter, Cincinnati, O.
 J. L. Wyland, De Haven, Pa.
 N. Zweifel, Milwaukee, Wis.

Carnation Diseases.

BY PROF. H. HASSELBRING, UNIVERSITY OF CHICAGO.



With the extended cultivation and amelioration of the carnation new diseases and disorders have made their appearance. Are these troubles the result of cultivation? Has the continued high culture predisposed the plants to certain forms of disease? What are the diseases that threaten

the carnation to-day and how can they be prevented?

These are questions of ever increasing importance to the florist. Their importance will increase with every extension of the cultivation of the carnation. In no other branch of horticulture is the investment and risk so great as in floriculture. No other branch of agriculture and all the related pursuits expends so large a proportion of the returns for labor. A failure means a corresponding loss. Every factor that is likely to cause failure should be thoroughly understood.

The whole question has received far from sufficient attention. Our experiment stations while they have vastly furthered the interest of other branches of agriculture and horticulture, have left the whole field of florists' problems almost untouched. In this state (Illinois) containing the largest greenhouse industry in the world our experiment station cannot legally take up any question relating to the culture of plants under glass. The florist must stand on his own feet.

In the absence of sufficient experimental investigation it will be possible to touch only the main features of the question of diseases, and point out the possible future of the carnation in relation to them.

In the main the troubles with which the florist has to deal may be classed under three categories, insect enemies, physiological disorders, and fungous diseases. Fortunately the carnation has but few insect enemies and these are so well understood that I will not take up the time to speak of them. The others are not so well understood.

Physiological diseases result from the disturbances of the functions of a plant from any cause whatever. Less than three-quarters of a century ago it was the common view that all cultivated plants must be regarded as diseased because they were not growing under natural conditions. Therefore their functions must be disturbed. We no longer follow this mode of thinking. There is no reason to believe that plants are weakened or impaired in vitality by continued cultivation. It is true that we cannot define what we mean by "vitality" in a plant, but if its vitality was impaired by continuous cultivation we should finally expect it to die. This has not been our experience. Wheat has been in cultivation for thousands of years and the plants are more vigorous and give greater yields today than one thousand years ago. You will perhaps mention the "running out" of varieties. I do not think varieties have run out. They have been superseded by better ones and by comparison the older variety has appeared to "run out." We have no record but our judgment to show that any variety has "run out." It is true, certainly, that all plants vary under cultivation and the same seed pod may give some offspring of a weak and some of a vigorous habit but this is incident to cultivation and not caused thereby. The cause lies in the unknown factors governing the variation of plants.

As physiological troubles we may mention the "sleeping" of flowers and bursting of the calyx. The cause of



CARNATION DAHEIM.

(Introduced by F. R. Pierson Company, Tarrytown, N. Y.)



CARNATION DAHEIM—FULL SIZE.

these troubles rests to a great extent in the nature of the variety, but to some extent also in outer conditions. The very fact that the calyx of certain varieties bursts with some growers but not with others shows that this trouble is greatly influenced by outer conditions and can be solved by experimentation. As yet, as I have said, these subjects have never been scientifically investigated. It is to be hoped that some time these questions will receive their proper share of attention by our experiment stations. In considering fungous diseases we must keep in mind distinctly one thing. These diseases are caused by distinct parasitic organisms. A fungus is an individual organism just as much as the carnation plant is. It has a vegetation period and finally produces spores which again reproduce the same fungus. Its whole development can be followed with the same certainty with which the development of any plant can be followed from seed to maturity. Parasitic fungi live in the tissues of other plants spreading in the same manner as roots in the soil. In this way fungi produce diseases by destroying the tissues of the plants upon which they feed.

Diseases of this nature are often attributed to some sort of unfavorable conditions such as lack of ventilation, too much water, deep planting and the like. This is an error. While certain conditions favor the growth of fungi and thus cause disease to appear more abundantly it is nevertheless true that such diseases would not appear if the fungi were absent. The fungi are in every instance the prime cause of disease—not the conditions.

There are at the present time but two fungous diseases of the carnation which we need to discuss—the rust and the stem-rot.

The rust was a prevalent disease about two years ago. At that time it was feared as the worst enemy of the carnation as its frequent discussion in the horticultural literature of that time indicates. At the present time the subject has almost dropped out of

existence. It still appears spasmodically here and there on some varieties, but it is no longer the dreaded enemy of the carnation. We will come back to the causes of this again.

The stem rot is a far more serious disease and one which will be difficult to control. It is caused by a fungus of the genus *fusarium*. While the name of the fungus may not carry with it any special significance we shall see presently that this is one of a great group of fungi which have received considerable attention of late and that the study of this group has been the chief means of developing a new method of controlling diseases. These fungi are the causes of the now well known wilt diseases of many plants. The wilt diseases of the cotton, cowpea, watermelon, flax and aster are caused by species of *fusarium*. These diseases have been carefully investigated and from the knowledge gained from them we can fill out, tentatively at least, such points as are still unknown in the life of the carnation *fusarium*.

The stem rot which is not primarily a rotting of the stem, but a wilt disease first manifests itself by the wilting of the leaves of some shoots. Very often only the leaves on one side of a shoot wilt and in nearly all cases only a part of the plant is affected. This is more especially true during the early stages of the disease. It will frequently be found that the branches on one side of the plant are affected and sometimes only those arising low down on the main stem. The diseased die and turn to a pale color without cease always progresses upward. The leaves on the affected branches soon dropping. The upper leaves on these branches may be wilted but still grow until the whole branch finally dies.



SEEDLING MIKADO—FULL SIZE.

(Exhibited by Patten & Company, Tewksbury, Mass.)



BLOOM OF CARNATION ROBERT CRAIG.
(Full size, four inches in diameter.)

The calyx lobes on flower stems usually turn yellow at the tips before the upper leaves begin to die.

The root systems of these plants appear healthy externally with the exception of one or two roots. These are completely decayed so that only a remnant of them is left. Yet if the diseased plants are carefully examined after the roots have been washed these decayed roots can always be found. Here is evidence that the fungus has entered the plant from the soil through the roots.

The cause of the fungus in the plant and the reason for the peculiar damage it causes can be easily seen by cutting microscopical sections at different points in the diseased stem and branches. The fungus grows from the infested roots into the water conducting channels of the stem and branches. When the disease is severe these can be seen to be literally plugged up with a mass of the mycelium of the fungus. It is thus impossible for the plant to obtain sufficient water and wilting and death are the results. Sometimes the fungus invades only the ducts on one side of the stem and thus the leaves and branches on this side will wilt. Later when the plant is dying the other tissues are also invaded, first the pith and then the cortex. The fungus produces innumerable spores on the dead stems and on the lower portions of the leaves.

So much for the effect of the fungus on the carnation plant. Questions of more practical importance are: How does this disease get into the carnation beds, and how can it be prevented?

The fusariums are a group of soil fungi. They are found nearly everywhere in decaying organic matter in the soil. I have been unable to collect evidence showing that the stem rot reappears in the same soil year after

year, this being due to the fact that carnation growers change their soil annually. We know, however, that the plants are attacked from the soil and this, in connection with the fact that the fusariums are found almost everywhere and can grow freely on dead matter in the soil, leaves scarcely any room for doubt that the soil is the source of infection. It has been defi-

nately shown that the wilt fungi of the cotton, watermelon, cowpea and flax remain indefinitely in soils once infected. In fact it has been found impossible to eradicate them. The same is probably true of the carnation wilt or stem rot.

The most important question is, how to prevent the disease. Since it remains in the soil it is beyond the reach of the usual fungicides. It attacks the plants beneath the soil so that direct preventive measures are practically excluded. What hope have we then of ever controlling the disease? I think the solution of the question will come from a study of varieties. If we look over the different varieties now generally cultivated we find that some are badly affected, others less, and some seem not to suffer from the disease at all. It is somewhat difficult to collect exact data on this but it seems to be everywhere conceded that such varieties as Crane, Morning Glory and Flora Hill are most subject to the disease, many growers having thrown these varieties out entirely. Flamingo and Apollo and White Cloud seem to suffer as much as those just mentioned. On the other hand many varieties seem to be free from the disease. These are especially the strong growing varieties such as Harlowarden, Enchantress, those of the Lawson type and Lady Bountiful. I have seen America planted where Crane died of stem rot, yet the former variety was not affected. Some varieties seem to outgrow the disease even when affected. This seems to be true of Bradt and Lord. These observations are as yet of limited extent but they point to one conclusion.

Some varieties of carnations are immune from stem rot. The problem for the future will be the production and selection of immune varieties. It should be the aim of the originator to



VASE OF CARNATION ROBERT CRAIG.—(C. W. Ward.)

produce resistant varieties and only such varieties should be put upon the market. This plan is not impossible for it has been successfully followed in the case of cotton. Through the work of the department of agriculture several varieties of cotton have been produced which are resistant to the wilt. These can be planted in

As soon as the growers began to improve their stock and their system of handling the flowers, there was an immense increase in the demand for the goods. This vast increase has taken place mostly in the last six or seven years, and every year has shown a larger amount of carnations planted and handled than the previous year.



CARNATION JOHN E. HAINES.
(At John E. Haines', Bethlehem, Pa.)

infected fields, where other varieties have been exterminated, without being attacked by the disease. I am convinced that we have a similar example in the carnation rust. Almost imperceptibly the discussion of this disease has dropped from horticultural literature. Why? If we examine the older catalogues we find many varieties advertised as "rust proof." These may or may not have proved as represented, but the fact shows the tendency of the time to produce rust proof carnations. Only the varieties that actually proved rust proof finally were extensively cultivated and today the rust has practically disappeared from our greenhouses. I have no doubt that we will have a similar experience with the carnation stem rot. We have already indications of the lines to follow and experience has shown that they can be followed successfully.

Cutting, Packing and Shipping Carnations. FOR LONG AND SHORT DISTANCE SHIPMENTS.

BY C. L. WASHBURN, CHICAGO.



The development of the shipping business has been the cause of the remarkable increase in the growing of carnations in this market. Ten years ago a very few of the blooms then being grown would do to ship, while the quantity grown was not over ten or twenty per cent. of the present output. The demand from outside points was very heavy, and the problem to solve was how to ship the carnations so they would arrive in good condition. This brought a close study of the methods of handling the flowers and also the constant trial of new varieties.

It is now almost impossible to get the exact amount of carnation blooms received each season, but a conservative opinion would place the number at about fifty thousand blooms per day during October and November, and then a gradual increase to one hundred thousand per day by midwinter, and continued at this rate to the end of the season. At least seventy-five or eighty per cent of this amount is shipped away from the city, and in the ability to deliver these flowers at their destination in first-class condition lies the successful conduct of the business.

The manner of handling these blooms as adopted by most of the larger growers is as follows: The cutting of the flowers must be attended to with considerable judgment as regards the weather. If the weather is very cold the bloom should be allowed to open a little more than usual, as if cut too close in very cold weather they soon

go to sleep. Again, if there is a warm wave with lots of moisture in the atmosphere, the flowers will be soft, and must be cut pretty close; also, during these warm spells the flowers should be kept in a little cooler temperature than usual to make the blooms as firm as possible. After the flowers are cut and tied in bunches of twenty-five each, they should be placed in water as soon as possible. This is best accomplished by having pails of fresh water standing handy to the benches, so that as soon as a bunch is tied up it can be placed in the water at once. This is very necessary, as it helps prolong the life of the flower. If the blooms are left out of water until the cutting is all finished, a number of them will have wilted a little and the sap in the stem harden up to such an extent that the flower will not suck up water freely.

After the cutting and bunching is finished the blooms should be placed in water in a closet or room where the temperature remains steady at about 45°, and where no drafts of air will strike them. When packing to send them to the commission man or wholesale store, use a few sheets of newspaper between each layer of bunches, and keep the ends of the stems from touching any of the blooms. Two layers of bunches are enough to put in any package, as too many heads get broken when packed in too solid. The wholesale or commission house should put the flowers in water as soon as received.

Now for short distances. Where the blooms can be shipped on trains that will arrive early enough for delivery that same day, the stock sent is usually that cut the night before; but for flowers that will have to remain packed in the boxes over night, and for all long distance shipments, the stock taken is always cut in the morning, and after standing in water from three to six hours is sent in to the market and shipped away the same day. The old idea that a carnation keeps best if allowed to stand in water twelve to twenty-four hours before sending into market has been disproved by actual experience, and of the carnation blooms received by the wholesale growers, at least two-thirds the stock is cut in the morning and shipped in to their wholesale stores in the early afternoon, to send away the same day.



CARNATION IMPERIAL.
(At John E. Haines', Bethlehem, Pa.)

These blooms will arrive in better shape and last longer every time than if cut the day before. After carnations have been kept eighteen or twenty hours in water they seem to get kind of soggy and do not ship well.

The boxes used for shipping carnations are made of thin wood, half-inch ends and quarter-inch tops, bottoms and sides, with two half-inch cleats to fasten the stems down and hold the ice securely. These boxes are usually twelve inches wide and four to eight inches deep, and thirty-six to forty-six inches long. The boxes may appear too long at first, but they are better too long than too short. Line the boxes first with four to eight thicknesses of newspapers, depending on the weather. Then a single thickness of soft wax paper all around. Commence and put in a row of carnations, usually about six flowers to a row, and between each row of heads place a strip of wax paper about three inches wide and as long as the box is wide; about four rows of flowers in each end will constitute a layer, and between each layer place a sheet of wax paper the width of the box and long enough to cover all the heads in that layer; keep on until the box is completed.

It will be found that with the extra long stems now being grown that four or five rows in each end of the box will be all that can be put in a layer, as by that time the stems will be within six inches of the opposite row of flower heads. The number of layers of flowers should not go over four to six, which will allow of from two hundred to three hundred carnations in one box. In the center of the box where the stems meet there should be placed at least eight or ten thicknesses of well saturated newspapers. These newspapers should be kept in a pail of water so that they will have absorbed all the water they possibly can before being placed on the stems. After putting this wet paper on the stems, place the two cleats on and fasten them down securely with nails. Be careful in placing the cleats to put them only on the double rows of stems and not beyond, and also see there is plenty of wet newspapers under them so there will be no danger of breaking the stems by pushing the cleats too far down.

The subject of icing a box is a debatable point, but for long distance shipments our experience is that a small piece of ice well wrapped with newspaper helps to preserve the flowers from heat; and also keep the newspapers over the stems moist. For varieties that have brittle stems, like Lawson, care must be taken not to fasten the cleats down too tight, or too near the neck of the flower, or the stems will be broken in handling the package. It is also well to put a few sheets of tissue paper well crumpled up between the cleats and the flower heads. This will absorb any damp, cold air from the ice, and will also serve as a cushion to protect the flowers from shaking up and down in the box by rough handling.

In order to dispose of our product to advantage, it is absolutely necessary to continue to improve our methods of handling carnations intended for shipment. They must be grown stronger, more air given, and great care taken in feeding. The effect of the warm

spring rains must be overcome in some way, as during such periods it is almost impossible to ship carnations any distance and not have them arrive fast asleep.

All the little details of cutting, placing in water and shipping, should be attended to with the greatest fidelity, and as we improve our methods of handling and our varieties of stock, so shall we increase our volume of business. The advisability of devoting a certain amount of glass to growing plants for spring and early summer blooming is a point that should be considered. There are some varieties that are at their best during these periods, and there is no doubt that carnations always ship best when in full crop. If the creators of new varieties would give more attention to the keeping and shipping qualities of their new flowers instead of trying to increase the size so much, they would be working along lines that are susceptible of considerable improvement. No matter how large a flower, or how fragrant or brilliantly colored it is, if it will not keep well and ship well it cannot be grown extensively.

The immense number of railroads centering here and reaching out in every direction, with frequent trains and quick express service, gives us a field to be supplied that reaches as far east as New York state, Pennsylvania, and south to Florida, New Orleans, Galveston and various Texas points, while west we can reach all Colorado towns and some points in Montana, and then on north to Winnipeg. This vast scope of country makes Chicago the central flower market of the United States, and has built up the immense greenhouse business of this vicinity.

Exhibition Carnations.

BY FRED H. LEMON, RICHMOND, IND.



In approaching the subject of "Exhibition Carnations," the inclination is to seek a definition for the term. What are exhibition carnations, and who are the growers of exhibition carnations?

When we speak of exhibition chrysanthemums, there immediately arises up before us a vision of immense reflexing or incurving Japanese blooms of various shades of color, some light, some dark, some gaudy, some dull, all beautiful, but scarcely any practicable for the purely commercial grower. We find these in the hands of a special class of growers: First, the large growers, importers and introducers of new chrysanthemums, whose aim in exhibiting the marvelous creations of the hybridizer is to arouse the interest of prospective buyers. Second, the gardener, that true horticultural enthusiast, whose time and skill is devoted to perfecting the magnificent blooms, mainly to satisfy a love of the beautiful in nature. When we turn to the carnation, however, and examine the exhibition and the exhibitor, we find a magnificently large collection of the very same varieties which are daily seen by thousands in the wholesale houses of the country, flowers a little better than the best in the market, perhaps, because more carefully handled, and exhibited by the very men whose vast ranges sup-

ply the markets. Thus is the carnation distinctively the business man's flower and an exhibition of carnations a most practical demonstration of what can be accomplished by care and attention in growing flowers for the market.

A consideration, therefore, of the subject now before us, must of necessity encroach to a certain extent upon the daily task of cutting, packing, and shipping carnations, because the very methods which result in putting flowers into the market in the best possible condition must form a foundation for our plans and methods of putting our blooms into the exhibition hall in perfect condition.

Granted, then, that we have flowers which we think are good enough to exhibit—and we might say right here that they must be rather good in this day and age—the first question is the selection of blooms and time and method of cutting. Just here a study of the scale of points for judging will be of great benefit. This shows us that color must be the first consideration, with stem and size counted equally for second place. Great care should be used to obtain a very evenly-colored lot of blooms even at the expense of other points. With this end in view, it is best, when possible, to cut all the flowers for one class about the same time, for there will surely be variations in color if some of the blooms have been kept in water sixty hours, and some only six hours.

Use a sharp knife to cut the blooms, and take every inch of stem you can get without going into the hard wood. The proper condition of a bloom to be cut for exhibition, depends largely upon the variety, but may be generally stated as just before that bloom reaches a state of perfection. Here is where the judgment of the operator is put to the test, here the point where many prizes are lost. Such a variety as Enchantress, for instance, is in perfection when the flower is young, and failure greets the man who allows his Enchantress to develop too fully before cutting, while that erstwhile grand variety Flora Hill only reached a state of perfection for exhibition after having stood upon the plants for many days and being allowed to develop very fully before cutting.

Between these two extremes are many gradations, and as before stated, must call upon the best judgment and broadest experience at command. In cutting for exhibition, cut each class complete and keep that class to itself from this time until it is staged, only changing blooms to strengthen the class you are most desirous of winning. Blooms should not lie out of water long after cutting, and it is a good plan to make a fresh cut on the stems after you reach the storing room and before putting them into water.

Much has been written on the subject of a storing room for blooms, but I believe that any room or cellar which meets the following requirements will be satisfactory: The air must be kept pure and sweet, and moderately dry, though a little continuously evaporating moisture is not injurious. It must not be totally dark. The temperature must be kept a few degrees lower than the night temperature of your greenhouse. In such a place the flowers should stand at least six hours and

may stand several days before packing. When kept more than twenty-four hours, the water should be freshened and the stems recut every morning.

In handling blooms at all stages—especially with varieties of intense color, such as Adonis—great care should be exercised to avoid bruising. This is a matter of great importance, as varieties of high color are especially easily bruised immediately after cutting, and if blooms are laid down on a rough board or cement bench, or carelessly knocked together while carrying from the house to the cooling room, they will surely show the effect later, and on the observance of these minor points often hangs success.

All flowers which have an inclination to droop or hang their heads in the slightest degree, should be supported in a rigidly upright position. There are several methods of accomplishing this end. A wire ring like an ordinary carnation support may be attached to the jar in such a manner that it will act as a support for the blooms, and some people go to the trouble of tying a wire to each stem. Whatever method is used, they must be supported from the very time they are cut, for the first two or three hours in water is the time when most of the stiffening and hardening takes place, and if the stems harden in a bent or curved position, subsequent supporting will be useless.

Like all other essential steps in the task of placing blooms in the exhibition hall, packing the blooms for shipment is an operation of the utmost importance. The aim being to get the blooms through in the most perfect condition, any extra attention which can be given to this work, is certainly time well spent. The most important point is to prevent the blooms from becoming crushed or mashed out of shape. This should be very carefully avoided, for if the broad bottom or ray petals become bent or pressed down, it is almost certain that they will not regain their proper form when set up for exhibition.

One of the simplest methods of accomplishing this end and one that is fairly efficacious, is to place the blooms upon pillows, or small rolls of paper as long as the width of the box, and about one and one-half inches thick. A more thorough method is to cut circular pasteboard discs, the size of the blooms, with a hole in the center, large enough to slip over the stem and calyx, so that the disc will press against the back of the flower, holding the ray petals in a perfectly horizontal position. These must be used in connection with the pillows, and they keep the blooms in perfect shape, indeed, in many cases improve the form of irregular blooms.

As to packing the blooms, there are as many different methods as there are exhibitors. If the shipment is a long one, we have found it a good plan to lay the ends of the stems upon wet tissue paper and place a layer of wet tissue over every layer of stems, so that the ends of the stems freshly cut are all surrounded by moisture. The flowers should be packed with their heads all one way and a cleat pressed firmly down near the lower end of the stems every fifth or sixth row.

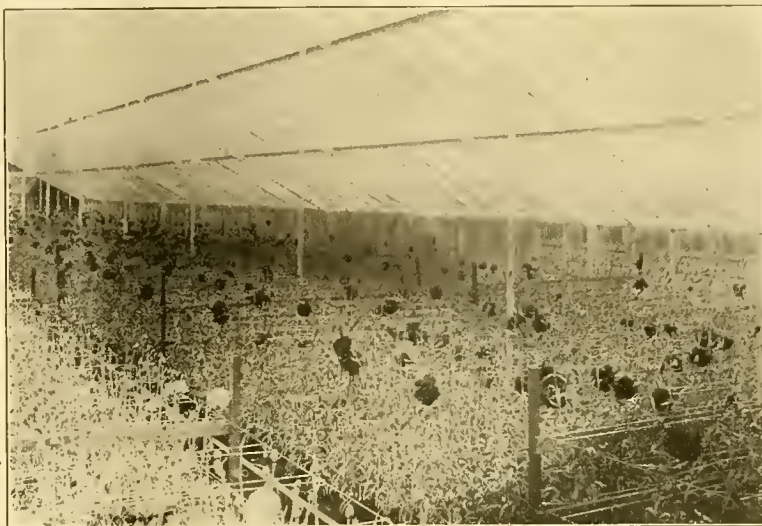
For our mid-winter shows, very

careful lining of boxes is necessary, so some expedient must be adopted to prevent the heavy layers of paper, which are turned over the top, from resting on the blooms, as this will certainly press them out of shape. If there are several boxes it is a good plan to mark the contents by classes on the outside of each.

If the discussion of this paper brings out a recipe for the safe and expedi-

be held very tightly at the bottom in order to spread the blooms properly. It is frequently a good plan to use a smaller vase than the one supplied for the class, to accomplish this end.

When you begin unpacking, make a fresh cut on the ends of the stems as they are taken from the box, give the bloom a gentle downward rub with the hand, to overcome any sleepy appearance, and lay them down on the table,



CARNATION VICTORY AT GUTTMAN & WEBER'S, LYNBROOK, N. Y.

tious handling of the boxes by the express companies the writer will be devoutly thankful. The only rule we know is, "Give your boxes to the company and join the don't worry club." If your exhibit is small, however, an excellent method is to buy a cheap trunk, make three trays to fit in it, pack your flowers very firmly, fill your upper vest pocket with cigars with bands around them, your lower pockets with quarters, and take it through as baggage. If you use this method you must not expect to "experience the comforts of travel," to quote Mr. Dooley, because it is necessary to follow the example of the elephant and stay close to your trunk.

STAGING THE BLOOMS.

Now, do not think because your blooms are fine, have been well packed, and have arrived in time, that the prize is won. It is impossible to overestimate the value of staging the blooms properly. It is safe to assert that where there are a number of entries of almost equal merit, the blooms which are most perfectly staged have five points advantage. This is mainly the result of "first impression on the judges."

Judges are human, and the most impartial man cannot avoid being influenced, to a certain extent, by his first impression, formed unconsciously the very instant his eyes take in the various entries. The standard for an artistic parlor arrangement will not fit the exhibition. The aim is to show every bloom in such a manner that it will emphasize the salient points of the scale for judging.

The blooms should be arranged evenly, if possible not allowing any bloom to touch its neighbor. Every inch of stem possible should show above the vase, and the stems should

spread out so that each bloom may be examined. When one class is unpacked, carefully select and count out the exact number of blooms required for the class; keep the scale of points in mind, evenness of color first, stem second, and size a close third. In arranging the blooms, select the longest stems first, take them up one at a time, and hold them by the extreme end of the stem, with the flower hanging down. Use the longest, strongest and straightest stems for a central bunch, placing the blooms exactly even. Work the blooms around this central bunch in circles, if that expression may be used, turning the bunch in the hand, and adding blooms equally on all sides. Place the outer rows of blooms so that they will stand a little lower than the central bunch. When complete place the whole bunch in a vase that will hold the stems as tightly as they have been held by the hand, and do not shove them too far down.

After the blooms are arranged, a study of color effect in placing the vase is important. A light scarlet carnation may be fine, and deserve to win, but if placed next to a variety the color of Adonis it will lose much of its effectiveness. Fundamentally, of course, intrinsic merit in the flowers themselves should win, but deep down in the heart of the florist who becomes the judge is the artistic instinct which will not be denied, and in this day of close competition, a recognition of this fact, if combined with high grade stock, will aid materially in reaching the goal, first place against strong competition.

In summing up the points to be considered, one rule may be deducted: "If you want to win, nothing is too much trouble."

C. W. Johnson's View of the Show.



The wonderful display of carnations at the Chicago meeting of the American Carnation Society was far beyond what was expected and the enthusiasm and interest taken by the members in the papers presented at the session is ample indication of the worth that this society is to carnation growers. In looking over the exhibits the most striking advance appears to me to be in the improvement that has been wrought in the last few years in the white varieties. There are so many



Begonia Turnford Hall.

extra fine things in this color that one is puzzled to make a choice between them. Lady Bountiful carried off the honors in vases for 100 blooms but this is no indication that it had a walkover because there were five or six other varieties chasing it very close indeed, those most noticeable being the new variety, My Maryland, exhibited by H. Weber & Sons, Oakland, Md., a very pure clear white with as large a flower as any on exhibition. The center is well built up, the stem is stout and stiff, holding the bloom perfectly erect without the least sign of weakness. Among quite a number of the growers present this was thought to be the best white on exhibition.

Some elegant bunches of White Lawson attracted wide attention. This variety is pushing to the front right along. The flower is a little pink on first opening but its splendid keeping quality enables you to leave it on the plant until the color whitens out; then it is grand. The vases of 100 Mrs. T. W. Lawson were also of uniform high quality. The same must be said about Enchantress and we noticed that this variety did not go to sleep as quickly as last season and seemed to keep as well as the other varieties. Evidently the growers are giving it a treatment that suits it. The Cardinal, Robert Craig, Victory, and Flamingo are a big four in scarlets out of which we ought

to find one to meet our wants in this color. The crimsons were not so strong as the other colors, Harlowarden and The President being the leading kinds representing this color. Dorothy Whitney was the only yellow and very few Prosperity were shown. Mrs. Patten came out first in the white variegated class.

The least I can say about the vases of 100 blooms in competition for the Lawson medals is that they were all grand. The varieties staged were Fiancee from the Chicago Carnation Company, Joliet, Ill., Robert Craig from C. W. Ward, Cottage Gardens Company, Queens, N. Y., My Maryland, from H. Weber & Sons, Oakland, Md., Adonis, from E. G. Hill Company, Richmond, Ind., and Cardinal, also from the Chicago Carnation Company.

R. Witterstaetter, Cincinnati, O., was late in arriving with his exhibit which consisted of some fine seedlings, receiving much favorable comment. Among them the following are entitled to particular mention: Aristocrat, a deep pink, the color being especially fine; the stems strong, and the size of bloom $3\frac{1}{2}$ inches. It has every appearance of being a winner. J. A. Valentine, a light pink; a beautiful thing showing up well in every respect. Afterglow, another promising deep pink on the order of Fiancee; a very pleasing flower. Lillian May, a white of fine form, pure color, good size and stiff stem.

The array of seedlings entered for the society's certificate of merit consisted of a number worthy of special mention. C. W. Ward staged some fine ones under number. Numbers 2528-02, 2653-02 and 641-02 being three promising blooms. No. 2504 is a very big bloom of the deep pink class, and a white variety named Alma Ward is a beauty. Mr. Ward's collection also contained a few blooms each of some good crimson and other colors. Lieut. Perry and Fred Burki are two new whites that look good for commercial purposes.

The variegated seedling from H. W. Buckbee, Rockford, Ill., which won the Vaughan cup, is a free bloomer and healthy grower and we think that, with further trial, it will prove its worth in this class.

The E. G. Hill Company has a promising white in seedling No. 12.

Mikado, from M. A. Patten, Tewks-

bury, Mass., has a peculiar shade of coloring. The bloom is on the order of Prosperity and equally large, but instead of being shaded pink, it has a purple coloring.

The Indianapolis Flower and Plant Company and John Hartje staged three fine seedlings, in Coral, a light pink, Candace, a deep pink, and Allspice, variegated.

The new variegated variety, named Glendale, from W. J. & M. S. Vesey, Fort Wayne, Ind., is a very fine bloom in this color but the stem is inclined to be a little weak, otherwise it is a fine thing.

Mr. Rudd's Lady Margaret which scored 85 points, I think will do better than this when he gets a larger amount of stock to select his blooms from.

A very pretty pink named Helen Goddard was exhibited by S. J. Goddard, Framingham, Mass. It is not so large as some but it has a fine color, form and stem.

Fred Dörner & Sons Company, La Fayette, Ind., put up a fine vase of a 100 or more different seedlings, one or two blooms each, which attracted a great deal of attention.

C. W. JOHNSON.

Begonia Turnford Hall.

The illustrations herewith show Begonia Turnford Hall at J. A. Peterson's, Cincinnati, O. The variety is a sport of the well known Begonia Gloire de Lorraine, with which it is identical, except in color. It is white, shaded with a delicate cast of pink, as seen in the crab apple blossom. This variety may be had in bloom from November till April.

KEENE, N. H.—Fire caused damage to the extent of \$100 in the office of L. C. Butler & Company's greenhouse January 11.

WHITMAN, MASS.—Robert Moir is building two new houses, 20x300 feet each. He is supplying a large number of ferns to the Boston market.

NEW HAVEN, CONN.—Frank S. Platt Company has purchased the Merwin property near the corner of State and Chapel streets. The property consists of a four-story brick building adjoining the Yale national bank. The price paid is said to be \$50,000.



BEGONIA TURNFORD HALL, AT J. A. PETERSON'S, CINCINNATI, O.



J. H. Dunlop.



James Hartshorne.



W. N. Rudd.



Fred Dorner, Jr.



E. G. Gillett.



J. F. Wilcox.



Wm. Nicholson.



P.J. Hauswirth.



Wm. Weber.

PROMINENT MEN AT THE CHICAGO CONVENTION OF THE AMERICAN CARNATION SOCIETY.

Carnation Diseases.

BY GEO. F. ATKINSON, CORNELL UNIVERSITY.

[Reprinted from the AMERICAN FLORIST of February 23, 1893.]

The variation of plants under cultivation has been studied chiefly in reference to the changes of external form, color, the gross anatomy of certain organs, fertility or sterility and productiveness. Very little study has been directed toward determining the corresponding or correlative variation in the minute anatomy, and the physiological processes of nutrition, circulation and assimilation.

Breeders of animals have given more attention to the law of correlation than have cultivators of plants. Sana flora in sana planta might well be the maxim of the florist. A great deal is said about constitutional peculiarities possessed by certain varieties of plants, but very few know how the different constitutional strains are related to the structural and morphological characters of the variety, or to the conditions of soil, surroundings or treatment during the time of origination, or to those more subtle influences of change of an inherited or inherent nature.

Nearly all our attention is given to producing new colors and forms of flowers and new habits of the plant, while very little thought is given to a harmonious development of physiological process and firmness of tissue.

This accounts to a large extent for the many varieties of plants which are more susceptible to fungous diseases than are other varieties. Ward* has shown that the succulent parts of plants with thin walled cells are more quickly and easily penetrated by the threads of parasitic fungi, and that



Fig. 1. Carnation rust on leaf and flower stem. From photograph.

the carnation grower, and add to the beauty of his house.

The following descriptions of some carnation diseases is given in the hope that a knowledge of the habits of the fungi, their structural peculiarities and modes of propagation may contribute toward this end.

and leaves and notes its occurrence and harmfulness in various parts of the east. It is generally considered to be one of the most injurious of the carnation troubles, and is regarded by some as impossible to cure when once it has secured a hold upon a plant.

The first outward sign of the presence of the fungus in a plant is indicated by a slight swelling on the leaf or stem, one-eighth to one-fourth of an inch long and nearly as broad. The surface of this swelling soon becomes pale or nearly colorless, since the green coloring matter at that point is destroyed and obscured by the presence of the crowded fruiting threads and young spores of the fungus. As the fungus matures these spores or reproductive bodies become brownish in color. The great mass of these spores lying so closely together imparts a dark brown color to the colony of fruit or sorus. By pressure from the growth within the epidermis is ruptured and turned to one side, where it usually clings as a whitish, ragged looking film by the side of the now exposed mass of spores.

Figure 1 from a photograph shows two of these sori, one on a leaf and another on a flower stem.

If one makes a thin section of such a leaf or stem and examines it under the microscope it can be readily seen why the parasite does such injury, and also why it would be impossible to heal the affected plant by any external application of a remedial agent. The spaces between cells of the leaf or stem are closely packed with the threads of the fungus, which are curved and interwoven into labyrinthian meshes, reminding one for-

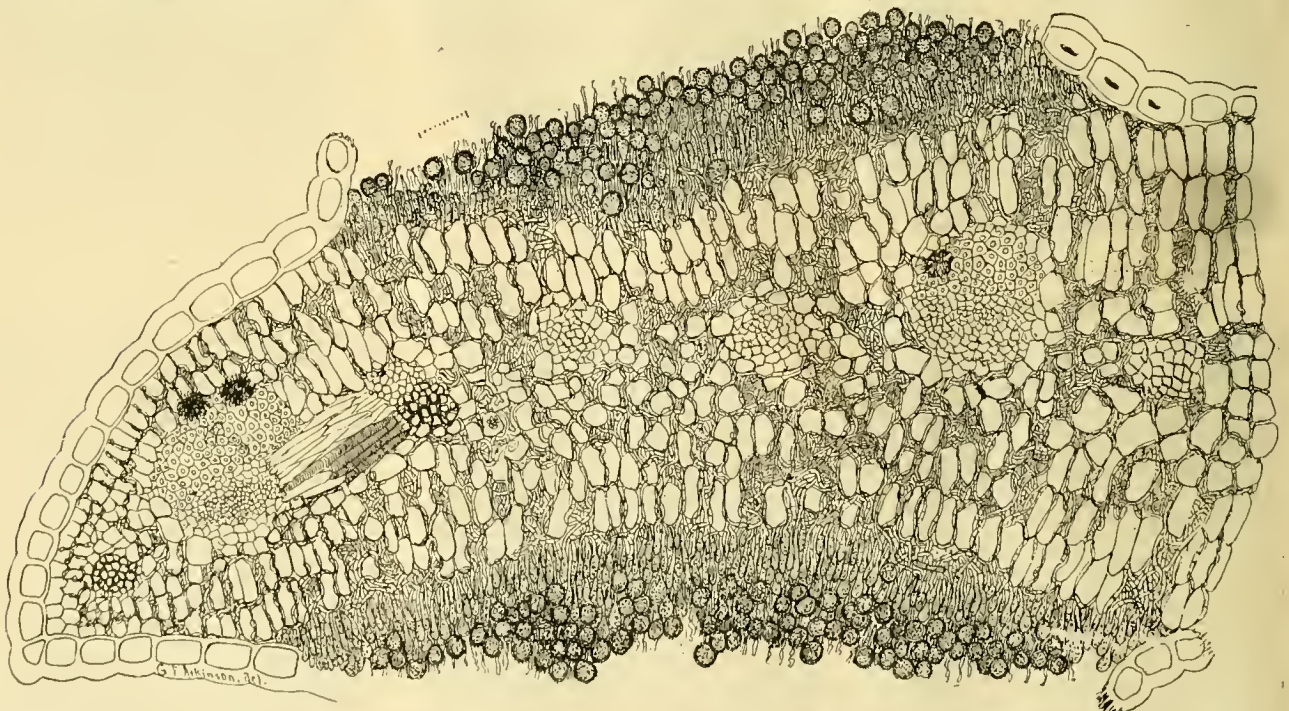


Fig. 2. Section through a rusted leaf at a sorus, showing intercellular mycelium of the rust and the uredospores. The scale shown above the figure is a millimeter somewhat magnified. The object is magnified 20 times more than the scale.

this is one reason why during rainy periods fungus troubles are more prevalent.

Care in the development of hardy varieties, attention to hygienic surroundings and the certainty of sound cuttings from sound individuals will do much to alleviate the sufferings of

CARNATION RUST.
(*Uromyces caryophyllinus* Schrank;
Schroeter.)

The first occurrence of this European importation in the United States was announced by Dr. J. C. Arthur.†

Dr. B. D. Halsted‡ describes the appearance of the rust on the stems

cably of the whitish mass of roots of some potted plant as they lie between the soil and pot.

Figure 2 is from a camera lucida drawing of such a section through an

*Ward H. Marshall, Croonian Lecture.

†Botanical Gazette, November, 1891.

‡N. J. Agri. Coll. Exp. Sta. Report, p.301,1891.

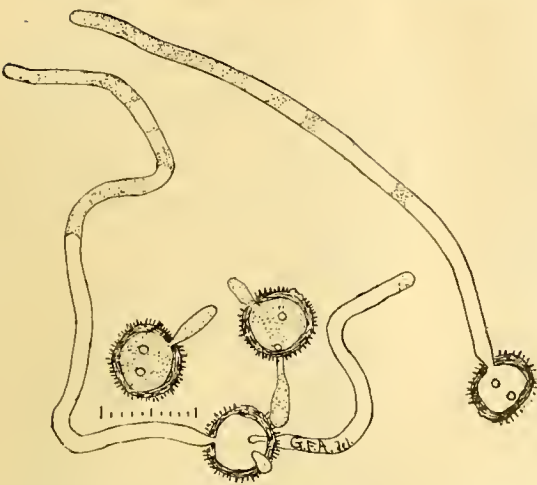


Fig. 3. Uredospores, more highly magnified, germinating.

affected leaf.

Long before there is any external evidence of the disease these vegetive threads of the fungus are growing and extending themselves between the cells of their host. After a while they converge toward certain centers below the epidermis, where they grow very

closely together, parallel to each other and perpendicular to the surface of the leaf. This constitutes what is termed the stroma. These parallel threads continue to elongate, at the same time broad-



Fig. 4. Several teleutospores, showing the variations in form.

ening at their free ends until a rounded or oval body is developed which becomes light brown in color.

The color resides in a thick wall,

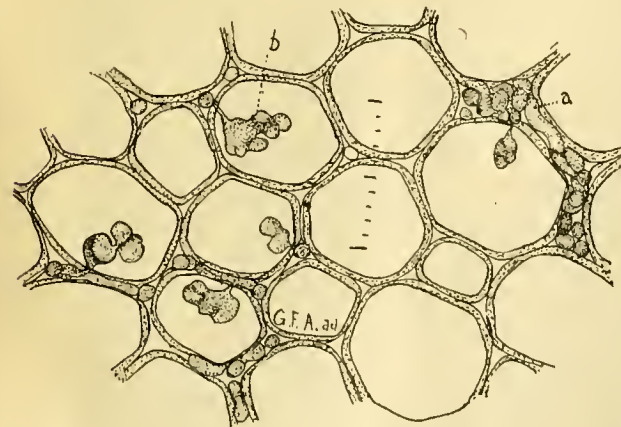


Fig. 6. Cells from the stem of a rusted carnation showing the intercellular mycelium and haustoria. Object magnified 30 times more than the scale.

which surrounds and protects the delicate living protoplasm within and is covered with numerous minute spines, and is said to be echinulate. These constitute the first form of reproductive

spores.

The uredospores will germinate in the presence of water as soon as they are set free. In handling rusted plants these spores easily rub off, appearing as a brown powder. bodies and are termed uredospores. Since they are easily scattered about over other plants they are liable to germinate where there is sufficient moisture and infect them. In germinating the protoplasm inside the stout wall pushes its way out through one of the three pores always present in the wall. Sometimes the protoplasm starts to push out at all three of the pores but soon ceases to extend in all but one, where it passes out into a long thread which eventually

enters the plant again if the uredospore is properly located.

A short time after the development of the uredospores the stroma of the same sorus, especially on the stem, produces a second kind of spore, termed a teleutospore. These are also one-celled bodies and possess a stout brown wall, the wall, however, is smooth; at the apex there is usually a minute projection, or spiculus, of a lighter color, while at the base a fragment of the long pedicel remains attached after the teleutospore becomes free.

The teleutospores will not germinate immediately after they are developed. Like the teleutospore of many other uredineæ they probably must first pass through a period of rest. Thus they serve as resting bodies to tide the parasite



Fig. 5. Group of basidia from the young stroma, just prior to the formation of uredospores.

over an unfavorable period when the uredospores or the vegetive threads are liable to perish.

While the vegetive threads, or mycelium, of the rust course almost exclusively between the cells of the host, they of course derive their nourishment from the protoplasm within the cells, thus bringing about the great injury to the carnation plant. The means by which they extract their nutriment from the interior of the cells while they are lying on the exterior is easily seen by making a section across the stem of an affected carnation. The threads lying in the

intercellular spaces send out very slender branches, which eat their way through the cell wall and then become swollen into rounded or lobulated sucking organs or haus-

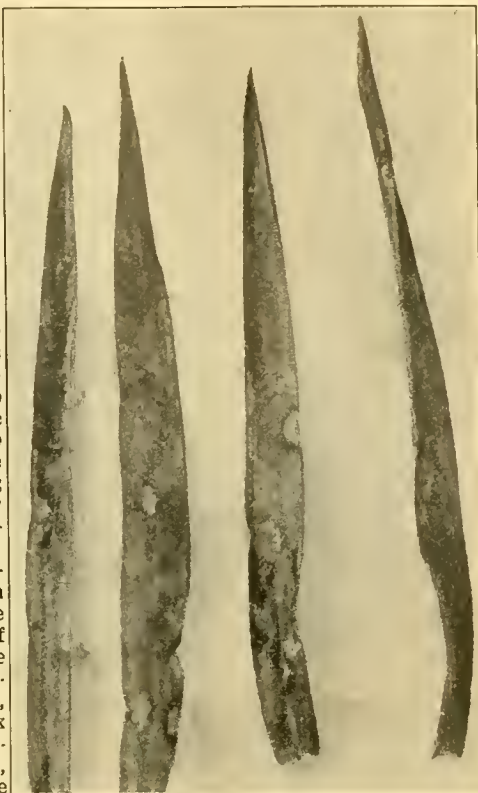


Fig. 7. Spot (Septoria) on leaves. From a photograph

toria. Ward* describes similar haustoria of *Hemeleia vastatrix*, the cause of a uredinous coffee tree disease.

Figure 6 is from a camera lucida drawing showing the haustoria of *Uromyces caryophyllinus* in the cells of a carnation stem.



Fig. 8. Spot (Septoria) on the stem and leaves.

The rust attacks the carnation at all stages of its growth, not sparing the young cuttings, where I have observed it in company with the anthracnose. The cuttings were probably made from a rusted plant which showed no external evidence of the presence of the parasite, but contained the threads within the tissues. Probably the best

*Journal of Botany, Vol. XIX, Quarterly Journal, Micros. Science, N. S., Vol. XXII.

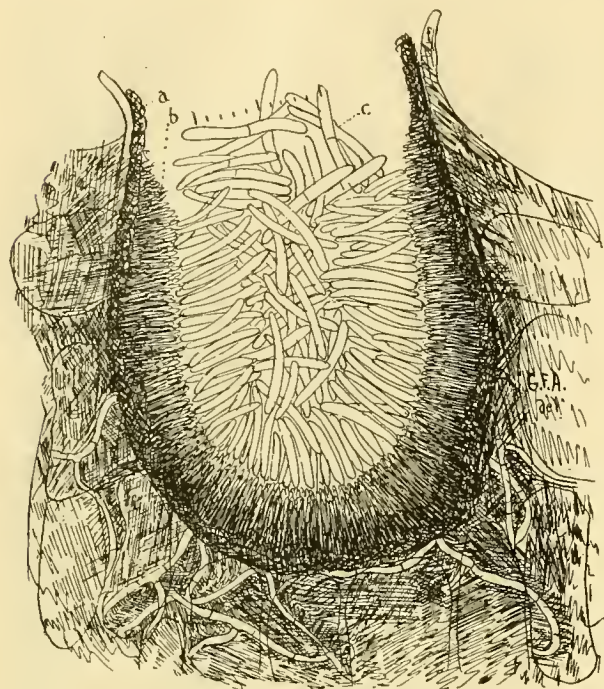


Fig. 9. Septoria, section through one of the conceptacles. Magnified 30 times more than the scale.

treatment would be to destroy all affected plants, and where possible to remove all soil and disinfect the surroundings. If it is desirable to try cuttings from any affected or suspicious plant, the cuttings should be quarantined for at least one season to be sure no disease is lurking in the tissues.

sult in killing the plant or preventing the full opening of the flowers. Figures 7 and 8 represent respectively a pen drawing and photograph of the spots on the stem and leaves. The spot is usually characterized by a nearly circular or oblong dirty white or brownish center bordered by a dark band purplish in color. This band is well defined on its inner edge where it

**"SPOT" OF CARNATIONS
OR "BLIGHT."
(Septoria Dianthi
Desm.)**

The so-called "spot" of carnations is very widely distributed, and probably the cause of more trouble than is generally admitted. Like the rust it has been long known in Europe and has been several times mentioned in this country. The disease possesses certain characteristics which enable one to distinguish it quite easily from other leaf troubles of the carnation, but when it attacks the stem it is apt not only to produce injury which to most observers might seem greater than the external evidence would indicate, but also to induce secondary disturbances which re-

joins the center but is usually ill-defined and diffused with the green of the leaf on its outer edge. The whitish center of the spot is dotted here and there with minute black points, which are portions of the fruiting conceptacles projecting through the epidermis to the outer surface. Frequently the spot is on the margin of the leaf when

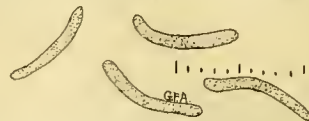


Fig. 10. Septoria Spores.

it is semicircular in form. Occasionally the spot possesses all the characters of the center, but lacks the dark border. Where the injury extends across a large part of the leaf the outer portion of the leaf dies. On the stem the spot appears as an oblong patch on one side, the border usually not so well marked as on the leaf.

The injury to the stem is more serious, since it may extend so far internally as to cut off the supply of nutriment from the upper part of the plant, and also start a diseased condition of the stem which may be taken advantage of by other fungi or bacteria to extend the injury down into the stool and thus endanger the health and life of the entire plant. Figure 11 is from a photograph of a plant the young flower stems of which were killed by the Septoria.

The vegetative condition of this Septoria is, like the rust, a mycelium consisting of slender fungus threads, which, however, differ very much from those of the rust. The threads are more slender, are less frequently sep-



Fig. 11. Flower stems killed by Septoria. From a photograph.

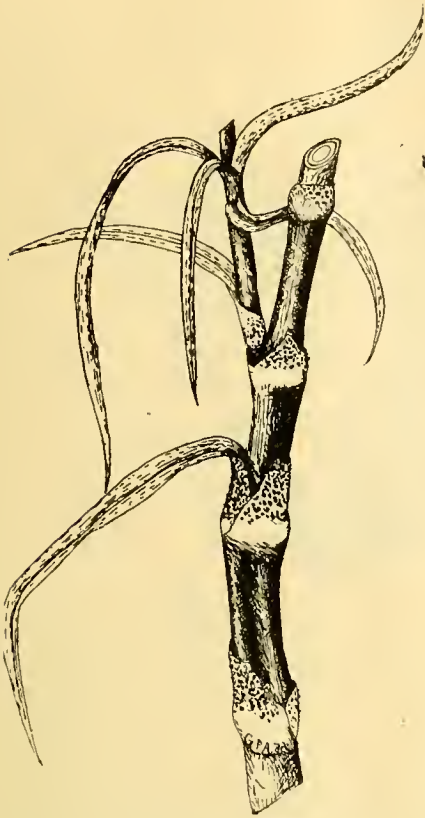


Fig. 12. Anthracnose (*Volutella*) on leaf sheaths. From a pen drawing.

tate, and do not develop haustoria. Consequently, in order to obtain nutriment from the protoplasm of their host they must themselves penetrate the cell walls and pass through the cell. This is in fact the case.

The fruiting condition of the *Septoria* is also very different from that of the rust. After having consumed the greater part of the nutriment at the affected spot the threads at certain centers in the diseased area develop into a black oval hollow body, or conceptacle, the open end of which projects slightly above or below the surface of the leaf. A section through one of these conceptacles is shown in figure 9. From the inner face of this conceptacle short slender fruiting threads, or basidia, are developed which all point towards the center. These basidia bear at their free ends the oblong, curved, colorless, one to three septate, spores. When this gelatinous mass absorbs water the spores are expressed in great numbers out at the opening of the conceptacle, ready to be washed about upon other plants and spread the infection.

ANTHRACNOSE OF CARNATIONS. (*Volutella* sp.)

This disease also seems to be very



Fig. 13. *Volutella*, a fruiting stool showing setae and stroma. Magnified 30 times more than the scale.

widely distributed in this country, and for the cutting bed at least is one of the most serious enemies of the "divine flower." It appears to be a rather recently observed trouble, and consequently has not been studied heretofore with any degree of seriousness. It has been doubtfully referred to the genus *Colletotrichum** and probably for this reason has been termed "anthracnose."

highly magnified.

Affected cuttings show dirty brown depressed areas of diseased tissue, presenting these same small black fruit stools. These depressed, or shrunken areas of tissue are caused by growth of the fungus threads in the cutting at that point. The fungus also extends into the leaf sheaths and bases of the leaves, as it will sometimes the entire length of the leaf. The leaf frequently,



Fig. 14. *Volutella*, section of a fruiting stool. Magnified 30 times more than the scale.

Figure 12 is from a pen drawing of a portion of a mature plant affected with this fungus. The black bristly points represent the elevated fruit clusters or stools. Figure 13 represents a lateral view of one of these stools quite

however, is killed by the fungus attack at its base, before the growth develops in the lamina of the leaf to any extent. This fungus, as well as the *Septoria*,

*Report N. J. Agr. Coll. Exp. station, 1891, p. 301.

by its growth in the stems of matured plants probably interferes greatly with the successful opening of the flowers. Appropriating nutriment from the stem for its own use it interferes with the nutrition of the upper parts of the plant, as seen from the frequent shriveling of the stems and pale, irregular, small depressed areas both on the



Fig. 15. *Volutella*, spores germinating. Magnified 30 times more than the scale. From culture in agar.

upper leaves and stem, which show no sign of fungus growth at those places. Since all plants which I have seen affected in this manner, figure 13, beside the spore bearing stroma there are numerous long black or dark brown bristles, or setæ, which are obscurely and remotely septate.

A section through one of these stools showed the presence of *Septoria* as well as anthracnose. I have been somewhat in doubt which of the two is the more directly responsible for this interference with the nutrition of the stems as described above.

In the fruit stools as represented it shows that the spore bearing threads, or basidia, have a common origin with the setæ at the base of the stroma quite early in its development. The cells of the stroma anastomose and form a false cellular mass which soon becomes quite dark, or nearly black in color, as shown in figure 14. The free ends of the basidia are separate, but they lie packed closely parallel, their ends so situated as to form a nearly even, slightly convex surface. When quite old even the ends of the basidia are dark in color. The spores are borne at the ends of the basidia. Some not yet mature are shown in figures 13 and 14.

In order to study carefully the development of the fungus so that its relationships might be more apparent a pure culture was obtained, using the dilution method in nutrient agar—agar, pouring the dilutions into Petrie dishes. By placing the dishes under the microscope from time to time the germination of the spores and development of the mycelium could be easily studied.

The spores are curved, fusoid, hyal-



Fig. 16. *Volutella*, spores some time after germination. Magnified 30 times more than the scale. From culture in agar.

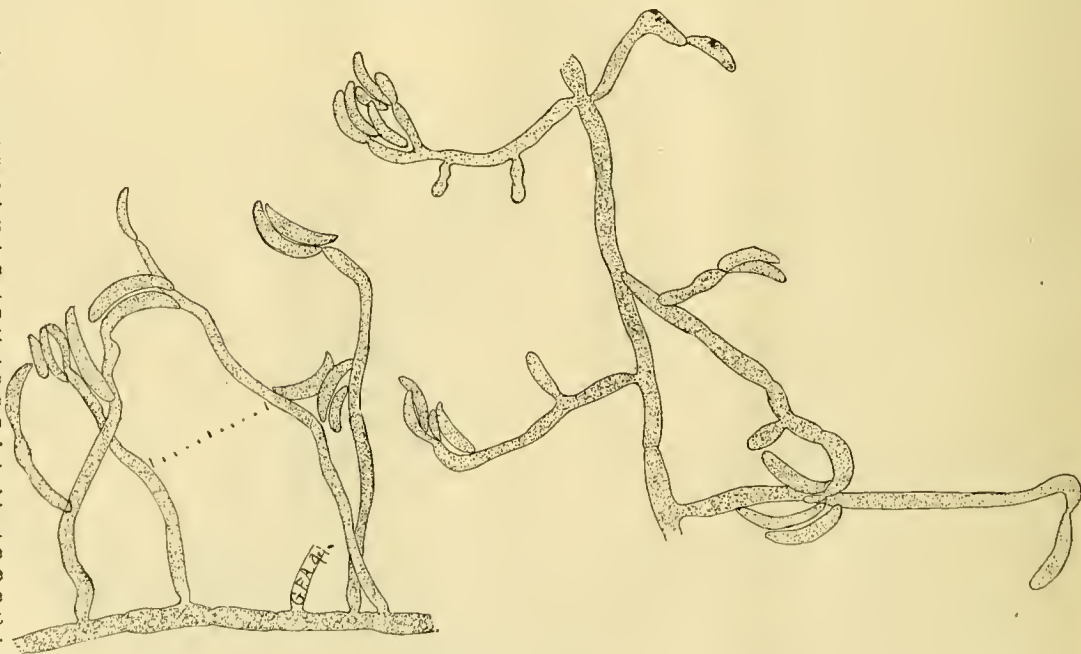


Figure 17. *Volutella*, branches of the mycelium bearing spores. Magnified 30 times more than the scale. From culture in agar.

ine, coarsely granular and usually with a single vacuole or clear space in the center, which sometimes gives them the appearance of being once septate. By the time of germination they become once septate. The protoplasm pushes out at one or more places, causing the very thin wall of the spore to protrude at the point of pressure. This protrusion now elongates into a fungus thread very nearly, or quite, the same diameter as the spore. The pro-

toplasm gradually passes out into the forming fungus thread, and additional protoplasm is made by the assimilation of some of the nutrient agar which the thread absorbs. That the germinating spore of septate can easily be determined where the germ tubes arise from only one-half of the spore. In such cases the protoplasm does not disappear from the other half. As the coarse granules of protoplasm pass out into the young thread they



Fig. 18. *Volutella*, fruit stool from culture on sterilized bean stems. Magnified 30 times more than the scale.

are gradually dissolved. The fungus threads are divided by cross walls into cells two to four times longer than their diameter. They also branch freely so that soon a web of mycelium is formed, the threads of which radiate in all directions from the center of

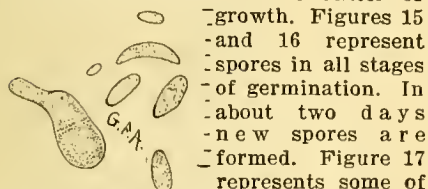


Fig. 19. *Volutella* spores these formed at the from culture on bean ends of some of the stem. Magnified 30 times more than the scale. branches. In the agar cultures the fruiting threads are frequently somewhat inflated and

ion through the upper surface of the medium, and in a few days at the point of inoculation there is developed a pink pigment which gradually extends out over the entire surface of growth, as the spores are produced upon those parts of the mycelium. The pink color gradually acquires a distinct violet tinge, which is heightened near the point of inoculation by the darkening of the mycelium where sclerotized masses are developed, resembling the stroma of the fruiting stools. The darkening of the mycelium also appears in radiating lines from the point of inoculation. This is beautifully shown in culture tubes on oblique agar.

On sterilized bean stems the fungus grows vigorously, spores of variable size are developed in great numbers, as shown in figure 19, while numbers of normal ones are also developed. Because of the difference in the texture of the substratum the blackening

grows vigorously, spores of variable size are developed in great numbers, as shown in figure 19, while numbers of normal ones are also developed. Because of the difference in the texture of the substratum the blackening

In old cultures in agar free ends of some of the threads become variously enlarged and much lobulated, as shown in figure 20, and in age these become dark colored. The mycelium in agar cultures presents two conditions, a normal condition rather finely granular and richly vacuolate, and an abnormal condition, the threads much greater in diameter, the protoplasm coarsely granular, and the walls of the cells frequently rupture without external disturbance, when the protoplasm escapes in clouds. This study of the structure and development of the carnation anthracnose reveals a plant quite distinct morphologically from *Colletotrichum*, or indeed from any member of the group to which the common name anthracnose is usually applied. The stroma is not formed in a true pustule, as is the case with the *Melanconineæ* to which *Colletotrichum* belongs.* It is formed into a compact stool or tuft, and elevated a considerable distance above the substratum, and consequently occupies an intermediate position between this group and the more clearly recognized *Hyphomycetis*. It is therefore properly referable to the *Tuberculariæ*,† and a member of the genus *Volutella*, agreeing with what is recognized by Saccardo, as the subgenus *Psilonia*.

CARNATION ROSETTE.

Carnations of several different varieties have come under my notice which presented the appearance of a rosette, the stem very little elongated, the leaves also quite short and crowded or rosetted upon the stem. Figure 21 is



Fig. 21. Rosette. From a photograph.



Fig. 20. *Volutella*, ends of certain mycelial threads from agar culture. Magnified 30 times more than the scale.

curved or hooked near their free ends. Several spores are borne in succession from the ends. Frequently the fruiting threads branch several times near their ends, and the spore production is much like that in *Fusarium*.

When transplantings of the spores are made into a culture tube of agar the threads grow out in a radiating fash-

of the mycelium appears much earlier than in agar culture, and fruiting stools in all respects similar to those in nature are developed, but of a little more delicate habit, the setæ perhaps not so stout and dark, the basidia longer and more slender, and profusely anastomosing quite near their free ends, as shown in fig. 18.

from a photograph of a rosetted carnation. Evidently some disturbance interfered with the interstitial growth of the stem. Sections of the stem, presented here and there discolored spots in the medulla or pith, through the

*Saccardo, *Sylloge Fungorum*, Vol. III.

†Ibid, *Sylloge Fungorum*, Vol. IV.

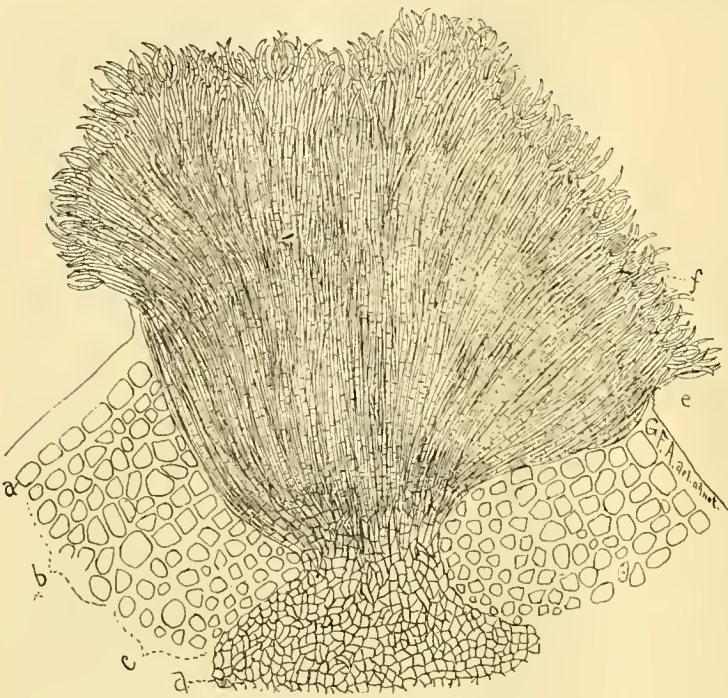


Fig. 22. Fusarium, fruiting stool from stem of rosetted plant.

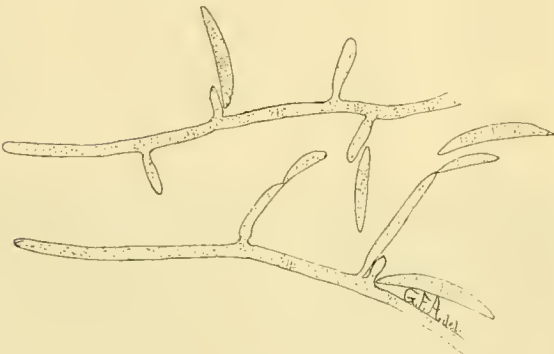


Fig. 24. Fusarium, threads in agar culture bearing spores.

cells of which fungus threads ramified in all directions. Cultures from the medulla of such plants, in nearly all cases, produced a species of *Fusarium*, but in some cases bacteria. The parenchyma in many cases, in the medulla, had become corky. One or the other of these organisms probably was responsible for this pathological condition, but without careful inoculations and a comparative study of the results no decision can be reached. When the plant dies, which it proceeds to do without flowering, the fungus in the medulla combines the force of its growth into an anastomosing web in the form of a wedge, with the point directed outward, and literally wedges its way

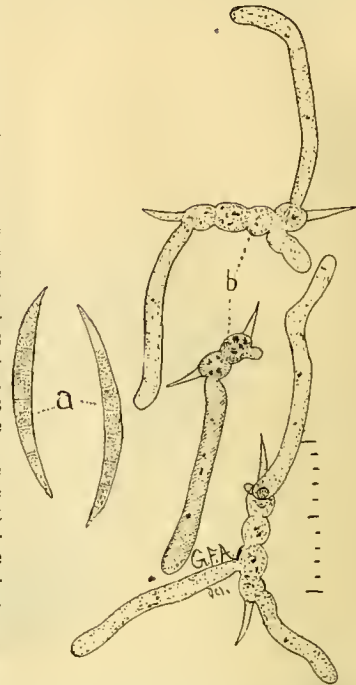


Fig. 23. *Fusarium* spores, a, before germinating; b, germinating; magnified 30 times more than the scale. From agar culture.

out. First through the woody ring, next a broad band of sclerenchymatous tissue, a band of parenchyma and the epidermis to the outside where it expands into a fruiting stool the basidia of which bear numerous long, curved, fusoid, 3 to 7 septate spores, as shown in Figure 22. Figure 23a represents some of the spores more highly magnified. Figure 23b spores germinating. In germinating each cell of the spore except the end one can develop a germ tube. Before germination, however,

each cell swells into nearly a spherical form.

It may be that in the cutting bed the cut end of the stem does not heal properly, or so slowly that the exposed medulla partially decomposes, thus affording a nidus for the *Fusarium*, or bacteria, and when the cut is healed externally these organisms are imprisoned in the pith. Their presence and the partially decayed tissue would affect the adjoining tissue, and gradually more and more of the pith would be laid under contribution to the organism.

"RUNNING OUT."

It is said of many varieties of car-



Fig. 25. Flower buds, failing to open properly. From a photograph.

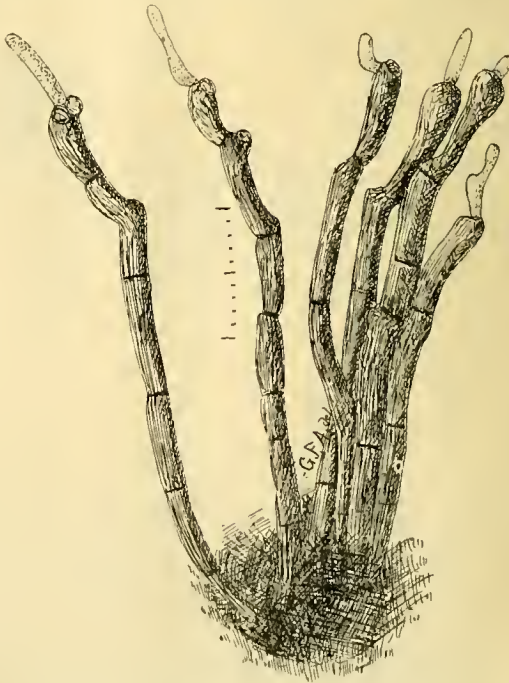


Fig. 26. *Heterosporium echinulatum* (Berk.) Cooke. Tuf of fruiting threads; magnified 30 times more than the scale.



Fig. 27. *H. echinulatum*, spores. Magnified 30 times more than the scale.

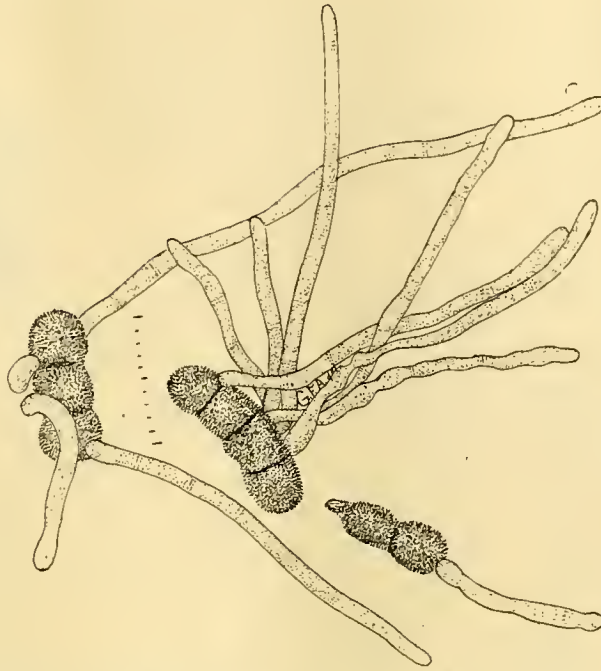


Fig. 28. *H. echinulatum*, spores germinating. Magnified 30 times more than the scale.



Fig. 29. *H. echinulatum*, from Roumeguere Fungi Gallici No. 1080. Magnified 30 times more than the scale from a species of *Iris*.

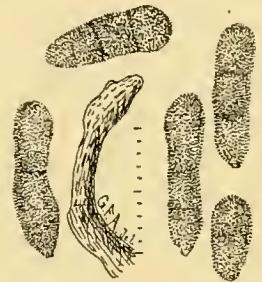


Fig. 30. *H. Dianthi*, S & R. (A synonym of *H. echinulatum*), Roumeguere Fungi Gallici No. 1431. Magnified 30 times more than the scale.

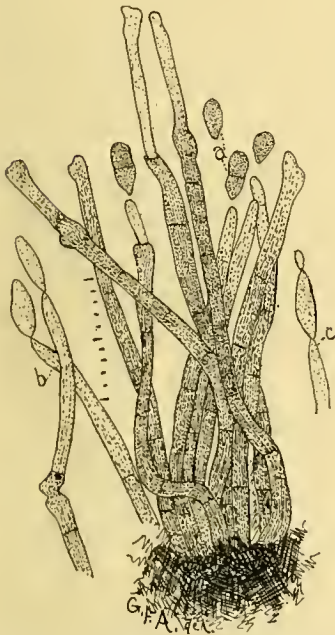


Fig. 31. *Cladosporium herbarum* var. *nodosum*. Tuft of fruiting threads and spores. Magnified 30 times more than the scale.



Fig. 32. *Botrytis*. From pen drawing.



Fig. 34. *Botrytis*. Detail drawing showing fruiting head and spores. Magnified 30 times more than the scale.

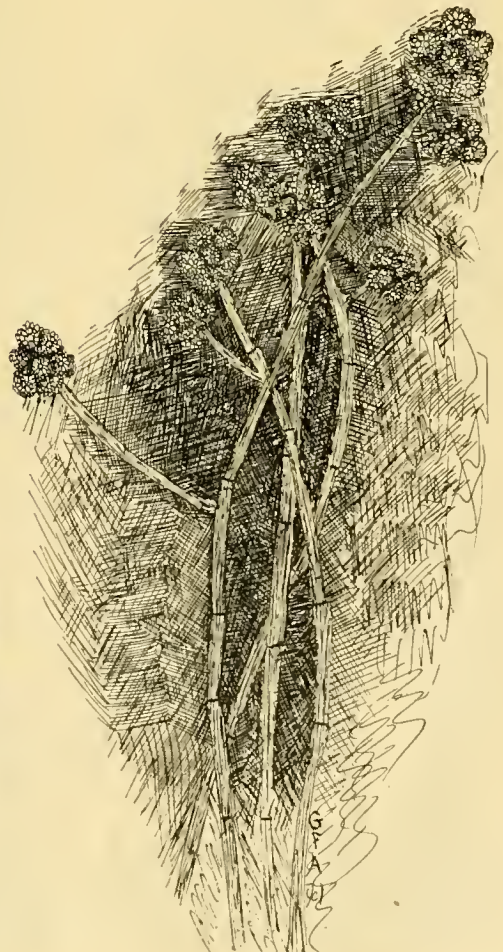


Fig. 33. A bouquet of *Botrytis*.

nations that they "run out." The remarks here apply only to some varieties which have come to my notice as having this tendency. Upon examining quite a number of plants, among them such varieties as Buttercup, old DeGraw, L. L. Lamborn, etc., I found the pith or medulla affected much in the same way as in the case of the rosette, except that I did not note any change of the parenchyma to corky tissue. Cultures from the pith produced a *Fusarium*, and occasionally bacteria. Cuttings from such plants might frequently be made, which would contain in the pith this organism. All the plants of a single variety in the hands of a grower might be affected in this way because the parent stock was diseased and the trouble handed down from one generation to another until the plant is literally run out by the imprisoned parasite.

In making cuttings from plants, if there is too much moisture in the house or the conditions are otherwise unfavorable, the scar may not properly heal and would thus afford an entrance to similar germs.

The injuries produced by the Septoria on the stem afford similar vulnerable points.

These suggestions can probably be turned to good account by careful attention on the part of the growers.

FAIRY RING SPOT OF CARNATIONS.

(*Heterosporium echinulatum* (Berk.) Cooke.)

Carnation leaves diseased by this fungus were sent through the kindness of Dr. B. D. Halsted. This seems to be a recent importation from Europe, since only recently complaint has been entered against it in this country, while it has been known for nearly a quarter of a century in England.

As the vegetive threads growing within the leaf tissue exhaust its substance at certain points there appears a nearly circular light colored spot. In these spots directly beneath the epidermis the threads form small tubercular bodies, dark brown in color. Great numbers of these are developed in a single spot. From these the dark brown fruiting threads arise, push out through the epidermis and bear spores at their tips. These fruiting threads arise singly or in loose clusters of two to six or more. A fruiting thread, after it has produced one spore, grows out again, usually a little at one side of the end, where the spore was freed and produces another spore, and so on. This plan of spore production gives to the threads a crooked or irregularly geniculate appearance, the angles appearing more or less knotty or enlarged. The fruiting threads are also distinctly septate. Figure 26 represents a cluster of the fruiting threads. Some of the spores are represented in figure 27. The spores are variable in size and form, being generally oblong, sometimes clavate and frequently a small projection at the base or point of attachment with the fruiting thread. When the spore is clavate, the smaller end is the point of attachment. The spores literally bristle all over with minute spines and are usually two to four-septate, quite prominently constricted at the septa. The smaller spores are sometimes one-septate or even continuous and rarely the longer ones are five-septate. The spores are also brown in color and when produced in great numbers together with the threads darken the spot. The spot then possesses different shades of color, according to the number of spores produced. The growth of the fungus from the center of the spot is centrifugal and the dark color is apt to be arranged in concentric lines or rings, representing a miniature fairy ring, as W. G. Smith* has suggested.

This fungus was first described on

carnations 23 years ago by Rev. M. J. Berkeley† and is therefore a true carnation pest. He writes of it as follows: "Many curious matters have turned up from time to time from the queries of correspondents and not the least curious is the parasite which lately has been sent us on the leaves of a carnation, to which it appears to be doing considerable damage. The leaves are studded with large round white spots, on which a brown mould is developed, arranged in little concentric tufts. The threads are extremely irregular, forming little fascicles, slightly branched, the branches often assuming the form of knots, and the upper knots in some cases bearing the spores, while occasionally, as in our figure, they occupy the colorless upper portion of the threads. The spores themselves are cylindrical, with from two to four articulations, slightly constricted occasionally at the dissepiments and beautifully echinulate, a character which we do not recollect to have seen before in the genus to which it belongs, the spores being considerable in length according to the number of dissepiments.

"The species is quite new and may be characterized, *Helminthosporium echinulatum*; floccis fasciculatis, irregularibus nodosis, sporis, hyalinis cylindricis, 2-4 septatis echinulatis."

Three years later, probably having forgotten his first description Mr. Berkeley describes the fungus again on dianthus as *Helminthosporium exasperatum*.||

In 1886 W. G. Smith§ having received it on carnations from a correspondent, recognized it as Mr. Berkeley's *Helminthosporium echinulatum*. He calls attention to the fact that Berkeley described it later as *H. exasperatum*, says it is not distinct from *H. variable* and sometimes occurs on *Ornithogalum*, when it is termed *H. Ornithogali*. W. G. Smith takes occasion, and justly so, to deprecate this confusion of names, but two years later he speaks of it as *Cladosporium echinulatum*.°

Saccardo and Roumeguere described it as *Heterosporium Dianthi*,|| while Cooke¶ properly locates it as *Heterosporium echinulatum* (Berk.).

BOTRYTIS DISEASE.

When the soil and especially the air in the house is kept quite damp carnations are sometimes subject to the depredations of a botrytis. Figure 32 represents an attack of botrytis on the flower buds. The details of the fungus are shown in figures 33 and 34.

CLADOSPORIUM.

Similarly a species of *Cladosporium*, probably *C. herbarum* var. *nodosum* Berk. shown in figure 31, attacks weak plants where the conditions of culture are not very good.

PURPLE JOINT.

This is said to be a bacterial disease, but since Dr. J. C. Arthur has recently completed quite an extended study of it the writer has given it no serious attention.

SANTA FE, N. M.—The Santa Fe Horticultural Society held its annual meeting January 9 and elected the following officers for the ensuing year: L. B. Prince, president; W. S. Haroun, vice president; J. D. Sena, secretary; Miss E. Manderfield, treasurer.

THE RETAIL TRADE

Carnations in Decorative Work.



Carnations have always been a favorite flower, growing in popularity as they improved until now the finer varieties of the carnation, the pink of years ago, has little fear of competition and commands a price that places it in the front ranks and enables the grower to get a fair return for the great attention required to produce such results.

My first experience with carnations in decorative work was in the making of pyramid bunches. A camellia was the center flower around which, after being well backed up with bouquet green, was placed a single row of flowers that could not contain more than two "pinks" for they were scarce. The balance of the four to six flowers necessary to complete the circle being bouvardia, sweet allysum, abutilons and for carte blanche orders one, or possibly two, rosebuds. The bunch was close and compact, one flower not standing above another. The stick on which it was tied was about twelve inches long; about three inches below the green was cut off close and foiled. These bunches were placed into a mossed pyramid from which rested on top of a tall fancy vase and surmounting the whole was a bouquet with a large calla lily in the top. If the order warranted the addition, two or three small wreaths of pansies on a single wire were hung from stiff wires and perhaps a few sprays of *Euphorbia jacquiniæflora* and some *Bon Silene* roses to relieve the stiff, compact appearance.

This arrangement was always used for a reception or buffet table and after the guests were served there was always a great scramble for the bunches as there were sometimes not enough to go around. There were no long streamer carnations in those days, plants were not staked up and to cut a stem with a flower would lose several buds and the grower could not get enough more for them to make it pay.

I simply cite the situation as it was in the early 70's to show what was best at that time. With the material now at hand the use of the carnation as a decorative flower is ever increasing. One can hardly go wrong in displaying them at almost any kind of function. The finer and choicest long stemmed varieties should, where possible, be reserved for appropriate vases, not always in the long narrow kind that crowd the flowers together, but in wide-mouthed receptacles and with enough flowers to fall over gracefully and still show plenty in the center. One vase of this kind in a conspicuous place will attract more attention than the same quantity spread about in several places.

A mantle banked with carnations is always very showy and attractive. A tall vase at one end and several rose bowls so as to grade the arrangement from high to low is better than a mossed board. A spray carried from the high vase up and across the top of the mirror, together with a plentiful addition of green, adds to the decora-

*Gardeners' Chronicle, N. S., Vol. 26, 1886, pp. 244, 245.

†Gardeners' Chronicle, 1870, p. 382.

‡Annals and Magazine Natural History, 1873, No. 1280, plate VII, Fig. 4.

§Gardeners' Chronicle, N. S., 26, pp. 244, 245; 3d series, Vol. 3, p. 151.

°Ibid.

¶Michella, II, p. 559 and 643.

‡Grevillea, IV, p. 123. See also Saccardo Sylloge Fungorum, Vol. IV.

tion. Very beautiful canopies can be made of carnations, arranging a huge bunch at the top with the flowers falling loosely out and a continuous band of long stemmed stock along the front frame with their flowers falling forward like a shower. Plaques of bark in which is concealed a slender vase will hold from twenty-five to fifty blooms of a suitable color to blend with the colorings of the room or instead of the vase, a bunch of moss well wet will keep the flowers as well. These arrangements well placed are very effective.

For a buffet table large, long clusters, tied with ribbons to match or blend with the flowers are very pretty as corner pieces, where they are attached and hung almost to the floor. In the center of this table should be a vase of one hundred choice blooms. A few flowers attached to the stem of the vase with a narrow ribbon adds a pleasing touch.

For a regular dinner party where the view must not be obstructed, the center should be high or, as the ends, low. If high, a pretty effect is made by connecting the two end vases with the center by garlands arranged on the cloth with smilax and asparagus and their own green, which can generally be had at this time of year. This is arranged something in the shape of a letter S but long drawn out with the half center for one end good and full, as if the bowl were emptying out like a cornucopia. The other spray is arranged the same way except that it must fall from the other side of the vase, and following out the same course, finish on the other side of the center. This can be made more or less elaborate to suit the customer, and when complete is a most graceful arrangement.

There are many and varied ways of using carnations in table decoration. The formal pattern is quite effective and satisfactory for those who have not tired of it. Something like this is an arrangement of two, more or less large, tapering clusters. These are united in the center with a large bow of ribbon and when in position rests on a rose bowl which raises it in the center, making quite a showy piece.

For the round table a good, heavy wreath of carnations fitted to come a short distance inside the plate line is very effective. This should be made loosely and yet close enough to retain its form. In the center should be a large rose bowl for a low or tall vase for a high decoration. Enchantress in the center and Harlowarden for the wreath, makes a pleasing combination for this table.

The banquet hall is especially suitable for the carnation, as they can be massed in colors, and at large affairs the guests often know their table by the colors of the flowers, which are all dark red, or pink, or scarlet, or white, or light pink, etc. Patterns, vases, shields of bark mossed in the center and spraying on the cloth with suitable greens, is the general plan of arranging.

Another field for the carnation that is opening up is that, as it nears the rose in competition, its use becomes more general in bouquets or clusters for weddings, debutantes' receptions, commencements, etc., etc. With a little taste really beautiful effects can be

made with choice blooms, that attract almost as much attention as does its long popular cousin, the rose. For the sick room, too, they are the blossoms par excellence, their bright, fresh colors, together with their refreshing, spicy odor, makes a vase of this lovely flower always welcome.

K.

New York.

MARKET IS STEADY.

The market remains in the condition as last reported, cleaning up from day to day because shipments have been light. With the demand as it should be at this season there would probably be a shortage in some lines. Prices are firmer, but practically no better. Roses sell well, and Brides appear to move better than for some time. Violets are plentiful, and of good quality, but it is hard to get top figures for them. An order from Connecticut came into the market a day or two ago for 40,000 good stock, and it was filled at an all round price of 60 cents. Carnations continue plentiful with fancies and novelties a trifle lower in price. Bulbous stock moves pretty well, and is in good supply. Tulips are plentiful, and bring from 25 cents to 75 cents per dozen, the maximum price being for extra fine pink varieties. Daffodils move rather slower and stock has a tendency to pile up at \$2 to \$4. Narcissi and hyacinths are bringing \$2.

NOTES.

As a result of the large number of newspaper notices announcing the sale of the variegated Lawson carnation to F. R. Pierson at an extraordinary high figure, that gentleman has been receiving numbers of letters from all sorts of persons throughout the country begging money in amounts varying from \$6 to \$250.

There were only five growers at the Cut Flower Exchange Wednesday morning. Mrs. Charles Lustgarten, of Elmhurst, L. I., was one of them, and while in the market her horse walked away or was stolen. It was later recovered.

The Woodside, L. I., florists are to have a bowling club. A nucleus is composed of Phil Kessler, E. Dorval, Victor Dorval, Jr., Joe Vocke, A. Smith and Alex Dorval, Jr.

Alex J. Guttman, accompanied by Mrs. Guttman, left for Chicago Monday night to attend the carnation convention.

Carl Jurgens is shipping fine daffodils to John I. Raynor and John Young.

Jos. S. Fenrich is receiving large quantities of forsythia.

Chicago.

MARKET FAIRLY FIRM.

The market has kept up a steady gait and while things are not as brisk as might be desired, every one appears to be fairly well satisfied. The noteworthy feature of the market this week is the remarkable shortage of good roses, both teas and American Beauty. Prices remain firm in both roses and carnations, the latter being in much favor the latter part of the week on account of McKinley day. Every regular shipment contained double calls for colored carnations and prices ranged from 2 cents to 6 cents for the

best grades. The indications are that prices will remain firm for some time to come, especially in roses, as the growers promise no immediate relief. Violets continue in the same shape of two weeks back, here and there an occasional spurt. The stock is of uniform good quality. Bulbous stock is appearing in improved form, colored tups now being cut. La Reine shows signs of being as good as we ever had that variety and prices are reasonable. Some choice lily of the valley is seen about. The weather has been cold for a week but few frozen shipments have been reported. The local retail trade has a healthy tone.

The local committee of the McKinley Memorial Fund Association did some active campaigning with the result that every wholesale as well as retail store is ornamented with posters and placards. The committee, which is composed of E. C. Amling, George Asmus and Leonard Kill, reports hearty co-operation from the trade in general.

The Chronicle on January 25 printed a portrait and short biographical sketch of President James Hartshorne of the American Carnation Society.

The George Wittbold Company contemplates extensive improvements at the Edgebrook range in the spring.

Sinner Brothers are emphasizing their Lawson carnations which show A1 form.

A. L. Randall Company's specialty is white lilac of exceptional quality.

John Deamud spent several days this week at Calro, Mich.

E. C. Amling reports a lively shipping trade.

Vancouver, B. C.

The holiday trade cleaned up all the stock in sight but the prices were not very high. Carnations retailed at 50 to 75 cents per dozen; roses at 75 cents to \$1 per dozen. When you ask a British Columbian 15 cents for a rose bloom you break his heart.

J. Henry, nurseryman and seedsman, has a large number of men engaged in collecting native Douglas fir and Thuya gigantea seed which he is shipping in large quantities to Europe.

James Pont has bought a ranch and is negotiating to sell out his greenhouse business and retire. Mrs. Pont has not been well and at present is in the hospital.

H.

Lincoln, Neb.

The weather has been of the pure winter variety for the past ten days. Trade is the usual winter standard, roses, carnations and violets all being disposed of, but bulbous stock going slowly. Lilies are coming too fast, and even the longiflorums will come too early for Easter if not held in check. The red stemmed, or L. giganteum are later and easier to hold back and should this year prove popular Easter plants.

C. H. F.

SHREVEPORT, LA.—The Louisiana State Horticultural Society closed its second annual meeting January 13 with the election of the following officers: S. H. James, Mound, president; F. H. Burnett, Baton Rouge, secretary and treasurer.

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AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send the old address at the same time.

THIS ISSUE 72 PAGES WITH COVERS.

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Injurious Paint for Pipes.

ED. AM. FLORIST:—In your issue of November 5 you refer to the accidental burning of foliage from painting steam pipe with carbon containing naphtha. What is this carbon? Is it bisulphide of carbon or what, and for what purpose was it put on the pipe?

G. S. B.

Although the above question has

been referred to me, I know nothing about the facts of the case in the article referred to. I infer, however, that what was meant by "carbon" was nothing more than common lamp black which is used in a variety of preparations for coating heating pipes. Of course, the trouble was not from the lamp black and, although I have never used naphtha, I cannot see how it could have injured the foliage, as it would quickly evaporate, unless it was applied while the pipes were hot and the ventilators were closed. The bisulphide of carbon is a colorless liquid which is an excellent insecticide but would be of no value for the painting of pipes. Even though it were used as an insecticide, it could not be recommended, as it would not only be injurious to the plants in the house, but it could not be applied without great risk. It is also highly inflammable.

L. R. T.

Society of American Florists.

PRESIDENT'S APPOINTMENTS.

President Vaughan has appointed Messrs. E. V. Hallock, of Queens, N. Y., and W. H. Elliott, of Brighton, Mass., to serve as directors for the three-year term beginning January 1, 1905.

Also the following gentlemen to serve as state vice-presidents for the year 1905:

Alabama—Hugh Seale, Birmingham.
California—Hans Plath, San Francisco.
Colorado—J. A. Valentine, Denver.
Connecticut—John Coombs, Hartford.
Florida—C. D. Mills, Jacksonville.
Georgia—A. C. Oelschig, Savannah.
Illinois—S. John Willis, Danville.
Illinois—N. P. J. Hausworth, Chicago.
Indiana—Irwin C. Bertermann, Indianapolis.
Iowa—Theo. Ewaldt, Davenport.
Kansas—C. P. Mueller, Wichita.
Louisiana—Harry Papworth, New Orleans.
Maryland—R. Vincent, Jr., White Marsh.
Massachusetts—W. W. Edgar, Waverly.
Massachusetts—Thos. Collins, Hinsdale.
Michigan—Henry Smith, Grand Rapids, and R. G. Boehringer, Bay City.
Minnesota—O. J. Olsen, St. Paul.
Missouri—F. J. Fillmore, St. Louis.
Missouri—W. Albert Barbe, Kansas City.
New Jersey—C. W. Turnley, Haddonfield.
New York—E. F. H. Traendly, New York City.
New York, W. George W. McClure, Buffalo.
North Carolina—James M. Lamb, Fayetteville.
Ohio, N. James Eadie, Cleveland.
Ohio, S. H. M. Altick, Dayton.
Pennsylvania—H. H. Battles, Philadelphia.
Rhode Island—Arthur Griffin, Newport.
S. Carolina—C. A. Moss, Spartanburg.
Texas—H. Kaden, Gainesville.
Virginia—C. P. Pomet, Alexandria.
Wisconsin—W. A. Kennedy, Milwaukee.
Wisconsin—Geo. Vatter, Marinette.
Ontario—T. W. Duggan, Brampton.

WM. J. STEWART, Sec'y.

Meetings Next Week.

Boston, Mass.—Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, February 4, at 11 a. m. Lecture on "Findings of an Orchard Survey in Western New York," by Prof. John Craig, illustrated by stereopticon.
Champaign, Ill.—American Breeders' Association, February 1, 2 and 3, annual meeting.

Detroit, Mich.—Detroit Florists' Club, Cowle building, Farran and Gratiot avenue, Wednesday, February 1, at 8 p. m.

Hartford, Conn.—American Pomological Society, Wednesday, February 1, and Thursday, February 2.

Holyoke, Mass.—Holyoke Horticultural Society, Wednesday, February 1.
Manchester, Mass.—North Shore

Horticultural Society, Friday, February 3.

Minneapolis, Minn.—Minneapolis Florists, Latham's Conservatory, 83 S. Tenth street, Friday, February 3, at 8 p. m.

Oceanic, N. J.—Monmouth County Horticultural Society, Friday, February 3.

San Francisco, Cal.—Pacific Coast Horticultural Society, Saturday, February 4.

Utica, N. Y.—Utica Florists' Club, Thursday, February 2, at 8 p. m.

Worcester, Mass.—Worcester County Horticultural Society, Thursday, February 2, at 2:30 p. m. Lecture on "Fertilizers," by W. W. Rawson.

Philadelphia.

MARKET QUIET, BUT STEADY.

Things are much the same as last week. There seems to be but little snap to business, and with the exception of Saturday last, when there was a little spurt, it was quiet. American Beauty roses are now coming in in better shape, the percentage of bull heads and off-colored flowers being much smaller. There is a fair demand for Bride and Bridesmaid. Liberty is also a good seller at from 12 to 25 cents. Carnations are stiffer in price, ranging from \$2 to \$6 per 100. The commission men hold on for a good figure the early part of the week if they clean out well on Saturday, but of late they weaken badly as the week rolls on and take a very low price (from the fakirs) for Saturday. Sweet peas are more plentiful. Calla lilies are more in evidence. Lily of the valley moves slowly. Freesia is now a staple article, but we miss the Burlington, N. J., stock grown by Lukens. Asparagus sprays in bunches are always in good demand and all through the winter can be relied upon to bring 50 cents per bunch. Smilax at \$15 sells well with the decorators.

Joseph McGregor, for many years gardener for the late Mrs. Thomas A. Scott, and since her death manager for Edgar T. Scott, owner of Woodburn, near this city, has been a member of the Pennsylvania Horticultural Society for thirty years. While he is retiring from active work, Mr. McGregor expects to keep in touch with horticulture and hopes to often see his many friends in the trade.

Mrs. J. T. Roberts, of Atlantic City, announces the engagement of her daughter, Miss Edna C. Gould, to Walter N. Yates of Philadelphia. Miss Gould is a social favorite in the circles of Atlantic City. Mr. Yates is engaged with his father in the nursery business at Mount Airy, this city.

At the Market there are two busy hours in the morning, when quite a lot of stock is turned over, after which Messrs. Moore and Meehan hold the fort. Carnations, violets and roses, with bulbous stock, is the principal stock.

Bernheimer is receiving fine Golden Gate roses from the Floral Exchange. Mr. Geiger, of the Exchange, says the December and January business is ahead of last season.

The Leo Niessen Company is handling an immense quantity of bulbous stock. Their American Beauty roses from John Burton are of the highest grade.

H. Bayersdorfer has been visiting

his eastern customers the past week. This firm filled a large telegraph order for the Pacific coast last week.

The Hugh Graham Company is receiving extra Lawson carnations in quantity from the York road nurseries.

W. K. Harris has a fine lot of blooming plants to offer and is sending in a fine assortment of tulips in flats.

Berger Brothers are handling some choice carnations and bulbous stock.

The Wm. Graham Company has a great deal of work ahead.

It will be carnation night at the Florists' Club, Tuesday, February 7, when it is hoped that all the meritorious varieties, whether new or old, will be on exhibition. If they cannot be brought to the meeting, they may be sent prepaid by express in care of David Rust, Horticultural hall, Broad street, Philadelphia.

EDWIN LONSDALE, Sec'y.

Boston.

THE MARKET.

Boston is just beginning to wake up after the lethargy which prevailed after the Christmas activities. This is due largely to a shortage in the supply of roses and an excessive demand for violets. Roses of all kinds were cut in such numbers Christmas that the plants have not yet recovered, and but little cutting can be done. Carnations are holding their own in price and are of good average quality. Violets which slumped in price last week, have shortened up, and the price went up with a bound this week. Retail trade is quiet along the general lines, although a number of the florists are getting out decorations for large receptions.

NOTES.

The Floral Emblem Society of Massachusetts met last week at the Copley Square hotel. The business meeting was attended by executive officers and body of councillors, representing seventy-five branches of the society. Following the business meeting a reception was held. Mrs. E. A. Richardson, founder of the society, presided. A flag was shown upon which was the emblem proposed for adoption, the wreath of laurel, with a wisp of trailing arbutus to the left of the wreath. The Mayflower would have been chosen if it had not already been in use by Nova Scotia.

Michael H. Norton, of Park street, furnished the decorations for the tables at the dinner of the Boot and Shoe club, at which Governor Douglas was present. The decorations consisted of center pieces and large baskets of different flowers, with carnations and American Beauty roses strewn about the tables.

John Walsh, manager of the Boston Co-operative Flower Growers' Association, has been appointed one of the appraisers of the bankrupt estate of John Mutch, of Newtonville.

The Florists' and Gardeners' Club held its monthly meeting at Horticultural Hall January 17. The address of the evening was by J. Woodward Manning, of Reading.

John O'Brien and Miss Wrenn, formerly with Carbone the Florist, have formed a partnership for the purpose of conducting a retail business at 238 Boylston street.

William H. Elliott, of Brighton, and Nicholas F. McCarthy have gone on

the Plant line trip to the West Indies. They will be gone at least a month.

A number of florists connected with the Boston Co-operative Flower Growers' Association who have been ill with grip have returned to work.

Harry Bayersdorfer and wife, of Philadelphia, have been in town the past week.

H. P. S.

Indianapolis.

The State Florists' Association has elected officers as follows: President, Fred Lemon, Richmond; first vice-president, Herman Junge, Indianapolis; second vice-president, John Rieman, Indianapolis; secretary, Fred Hukreide, Indianapolis; treasurer, John Heidenreich, Indianapolis; executive committee, J. A. E. Haugh, Anderson; Gunnar Teilmann, Marlon; J. A. Evans, Richmond; A. F. Baur and E. A. Nelson, Indianapolis.

BENTON HARBOR, MICH.—The Berrien County Horticultural Society held a meeting January 18 at Library hall. The marketing problem was discussed. Supervisor Jakway, of Benton, and C. F. Hale, of Shelby, reading papers.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—By a young man; five years' experience in roses. Address
Box 137, care American Florist.

Situation Wanted—By an experienced grower, private place, married, one child. Address
Box 141, care American Florist.

Situation Wanted—By an experienced grower of roses, carnations and 'mums; Swede. State wages. Address
Box 140, care American Florist.

Situation Wanted—By experienced florist and gardener; private position preferred. Best references. Address
Box 138, care American Florist.

Situation Wanted—By a good gardener, strictly sober, 30 years old; gentleman's place preferred. Address
E D, 54 Waltham st., Boston, Mass.

Situation Wanted—By a florist, German, single, middle aged, good experience in all departments; pot plants a specialty. References. Address
Box 136, care American Florist.

Situation Wanted—By sober, industrious young man, age 25; a good all-around experience. Good references. Private or commercial. State wages. Address
Box 125, care American Florist.

Situation Wanted—By a practical florist; German, 15 years' experience. Best references if required. Address
G. BANTEL,
4340 Chouteau Ave., St. Louis, Mo.

Situation Wanted—By a young man; been in charge of a retail establishment and have references for growing roses, carnations and bedding plants. Address
Box 139, care American Florist.

Situation Wanted—By first-class florist, German, 38, cut flowers, palms, decorative and bedding plants; as foreman or to take charge of commercial or private place. Address
E B 38, P. O. Boston, Mass.

Situation Wanted—By grower and propagator, Belgian, 30 years old, single, 15 years' experience in Ghent, (Belgium) Holland, France, England, and two years in this country. Address
Box 142, care American Florist.

Situation Wanted—A competent gardener (Christian) for private place or public institution, is open to engagement; thoroughly experienced in all departments landscape work a specialty. Address
W M S, 36 Grant St., Battle Creek, Mich.

Situation Wanted—By gardener and florist, single, age 29, on private place where practical man is required; life experience in greenhouses, landscaping, vegetables. Best of references. Address
GARDENER, 527 Courtland St., New York City.

Situation Wanted—By practical florist; 18 years' experience in cut flowers and plants for catalogue trade. Lorraine begonias a specialty. Strictly temperate 4 years in last place; married, age 35. Massachusetts preferred. Address
Box 133 American Florist.

Situation Wanted—By gardener, married, 20 years' practical experience in fruits, flowers and vegetables under glass and outdoors, general landscape and the management of a gentleman's estate; good references. Address
GARDENER, M. Ilbronn, N. Y.

Situation Wanted—By a working foreman, Dutchman, 28 years of age, full experience in growing stove and greenhouse plants and propagating; able to take full charge of a medium sized commercial place. State wages. Address
Box 135, care American Florist.

Situation Wanted—By Frenchman, 30 years old, single, as head gardener on private place; life experience in landscape work and in growing outside and under glass; had charge of Sunken Gardens at the World's Fair. Address
H. J. STOCKMANS, 4340 Chouteau Ave.,
St. Louis, Mo.

Situation Wanted—By up-to-date florist, first-class designer and decorator; several years' experience as manager of up to date eastern and western establishments; acquainted with retail and business wishes first-class position; highest references given. Address
WM SPETH,
530 Grant St., Pottstown, Pa.

Help Wanted—Young man with some experience as decorator and store man. Address
OCEAN PARK FLORAL CO., Ocean Park, Cal.

Help Wanted—Thoroughly competent young man to assist with growing, etc., in the carnation department. State age, experience and wages expected. Address
Box 124, care American Florist.

Help Wanted—An order clerk and store salesman, one with a good knowledge of flower seeds and plants preferred. Apply, stating age, experience, etc., to
HENRY A. DREER,
714 Chestnut St., Philadelphia, Pa.

Help Wanted—Farmer to care for small estate, married, no children. Four horses, a few sheep. Wife must be good cook. Permanent place to responsible man. Location fifty miles from Chicago. Address
Miss F. R.,
1427 Hinman Ave., Evanston, Ill.

Help Wanted—A good, sober, industrious working foreman, married, one who can grow good roses, carnations, 'mums and general stock for retail trade. Write, with references and wages expected with house. Address
VAN AKEN BROTHERS, Coldwater, Mich.

Help Wanted—Foreman, one who understands growing carnations, roses, 'mums and general stock, with thorough knowledge of design work. Must be sober, industrious and have good references. State wages expected with house rent. Address
S. N. PENTECOST, 701 Republic St., Cleveland, O.

Wanted Partner—With capital, to purchase an interest in a fruit farm adapted to culture of tropical productions, also vegetables to ship to northern cities. Climate unsurpassed. No malaria. Address
L. C. MANNING Miami, Florida.

For Sale—Retail flower store; good location, Chicago. Address
Box 131, care American Florist.

For Sale—Half or whole interest in citrus nursery—other business—only \$700 cash required. Healthy lake region, northern community. Address
TROPICAL NURSERIES, Avon Park, So. Florida.

For Sale—Greenhouses; 7,000 feet of glass in good condition, stocked with roses, carnations, palms, etc., in southern Indiana. Last year's sales \$5,000. Price, \$3,200. Don't write unless you mean business. For particulars and reasons for selling address
Box 119, care American Florist.

For Rent—At Frederick, Md., greenhouses 18x63, 1 x107 20x162, boiler room 18x60 equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. Address
HENRY TRAIL Frederick, Md.

FOR SALE

Large Greenhouse Property on Easy Terms. Apply to

A. S. BARKER,

1033 Witherspoon Bldg.,

PHILADELPHIA, PA.

St. Louis.**MARKET IS SLOW.**

The market this week has been very dull, funeral work being the only outlet for cut flowers at time of writing. Carnations, especially good stock, are not so plentiful; a good many arrive split. Violets are now selling at \$4 and \$5 per 1,000. This coming week, January exercises at the high school and McKinley day will stiffen up prices. However, to increase prices on carnations for McKinley day will kill the chances of perpetuating the day so far as the sale of carnations is concerned. Roses are decidedly scarce, white especially. Bulbous stock is cleaned up fairly well. Calla and Harrisii lilies have had the call for funeral work.

NOTES OF THE TRADE.

The meeting held Thursday, January 19, for the purpose of organizing an association of florists who are growers of cut flowers and plants was a success. Twenty members have already subscribed. Retailers and wholesale commission men are not eligible.

F. C. Weber will have the cut flower decoration at the high school Saturday. Red carnations are to be used by the graduates.

George M. Kellogg, of Pleasant Hill, Mo., was in the city this week enroute to Chicago to attend the carnation meeting.

Among the early Easter weddings is that of Miss H. Dammann, cashier at Young & Son.

Miss Theresa Badaracco has had a large amount of funeral work the past week. W. F.

Buffalo.

Mild weather, plenty of stock and trade fair, about covers the local situation. Receptions of moderate size made some work last week. Violets have been plentiful and several signs have appeared at 50 cents the bunch for good fresh stock. Carnations are in good supply. Bridesmaid roses are coming in fine now and are selling well, but trade as a whole has not been what the stores would like.

The Gardeners' and Florists' Union had its annual election last week followed by a banquet. The officers of last year were re-elected. President Streit says that the club is progressing nicely.

Prof. Cowell has some very fine amaryllis at South park, also primroses.

S. A. Anderson is handling some very fine lily of the valley at present. W. J. Palmer, W. F. Kasting and others have gone to Chicago.

Palmer & Son are cutting a fine lot of Red Lawson carnations.

A son was born to Mr. and Mrs. W. H. Grever. Bison.

Newport, R. I.

With the florists trade has been very good the past week, as there have been, in addition to the usual demand, several important funerals; and it is always the funeral work that helps out. The prices for everything else are whittled so close that it is a consolation to feel that there is at least one branch of the business that does return a good living profit. Cut flowers remain about as a week ago; car-

nations down town bring 50 to 75 cents a dozen; roses \$1.50 to \$3; lily of the valley, 75 cents and violets 50 cents.

Last Wednesday evening the January meeting of the Newport Horticultural Society took place in Mercury hall. Owing to the last meeting being omitted, on account of the blizzard, there was a great deal of regular business to be dispatched. There is to be a state federation of agricultural and horticultural societies, and our treasurer, A. K. McMahon, was chosen as a delegate thereto. A building committee was chosen consisting of A. K. McMahon, James J. Sullivan, Andrew S. Meikle, John Mahan and David McIntosh. By a mistake at the annual meeting 16 members were elected as an executive committee, when the by-laws call for only fifteen; to straighten out the matter M. B. Faxon resigned from this committee. John Robert Clarke was proposed for active membership. H. B. Odell, of Weeber & Don's, the New York seedsmen, was present and made a short address. There was also quite a discussion regarding the schedule of prizes for the coming year. The meeting adjourned to Wednesday, February 1, when Professor Barlow of the agricultural college, at Kingston, R. I., will deliver an address on "Economic Insects and Bird Life."

Hodgson supplied the flowers for Mrs. John Jacob Astor's "small dance" in New York last Monday evening. There was no attempt at set floral decorations made but a great profusion of cut flowers were placed in vases about the rooms.

Mr. and Mrs. Robert Hunnicks will celebrate their silver wedding at the Builders and Merchants Exchange hall next Monday evening, January 30. Mr. Hunnicks is the head gardener at Rough Point, Fred W. Vanderbilt's estate.

Mr. and Mrs. Carl H. Jurgens announce the engagement of their son, Carl Jurgens, to Miss Florida Hubbard, daughter of Mr. and Mrs. John Hubbard of Washington, D. C.

Last Friday the burial of Mrs. Lewis Cass Ledyard was held at the Island cemetery and the number of floral offerings was the largest seen here in a long time. X.

Cincinnati.

The past ten days have been dark and gloomy. This, coupled with a good demand, has a tendency to make cut flowers a little scarce. Especially is this true of roses, there being not half enough to go around. George & Allan have sent the first tulips to the market, La Reine, Yellow Prince and Proserpine being the varieties. Violets, both single and double, are fine and enough for all orders. Lily of the valley and Harrisii and calla lilies in good demand. American Beauty roses are scarce and the majority are bull-headed.

Messrs. Gillette, Partridge, Sunderbruch, Huntsman, Murphy, Rodgers, Witterstaetter and Foster were those present at the Chicago convention this week.

Gus Meier is sending some of his usual fine Bride roses to McCullough's. J. M. McCullough's Sons are receiv-

ing some fine Princess of Wales violets and Lawson carnations from George Corbett.

O. C. Eberling of the Georgetown Floral Company, Georgetown, Ky., was a visitor. A. O.

St. Paul.

Trade has been rather dull since New Year's excepting a few good funeral orders. Out-of-town orders have been coming in very irregularly and we doubt that business will compare favorably with last year. Stock in all lines is fairly plentiful, carnations especially so. Several lots were received on consignment last week which is quite unusual at this season here. Tulips and jonquils are coming in well and selling fast. There has been an increased demand for orchids.

The funeral of Mrs. Venzke, mother of Mrs. E. F. Lemke and Ernest and Louis Venzke, occurred on January 5 from the home of Mr. and Mrs. Lemke. Mrs. Venzke was 83 years old.

Recent trade visitors were Messrs. Arnold Ringier, Wm. Hageman, Turnbull, with E. H. Hunt, and E. G. Hill with the new red rose, Richmond. O.

New Bedford, Mass.

The demand for cut flowers and plants is fairly good. The supply is equal to the demand, but the quality is not up to the proper mark. There are many split carnations. Violets are plentiful and prices are lower.

The Florists' Club seems to have difficulty in getting enough members together to hold a meeting. Rivals in business do not seem to pull well together. The New Bedford Horticultural Society with its 100 members will probably absorb the smaller society.

H. A. Jahn, at Clark's Point, has his place in fine condition. A house of seedling carnations is especially interesting. Mr. Jahn has been in the business over twenty years.

J. W. Bates, vegetable grower, is turning his attention to growing cut flowers and plants for the wholesale trade.

Wm. Mosher is building a small addition, 20x50 feet, for plants.

Kraber & Schwartz have dissolved partnership. A. B. H.

Montreal.

Trade after the holidays was rather slow with the exception of funeral work. Roses and carnations are plentiful but do not seem to be as good as before the holidays. Daffodils, single and double, are seen now in quantity. At several places Golden Spur was tried for Christmas but it could not be done and the bulb man's special advice will not be relied on again. Tulips are few. Liliun Harrisii is in splendid condition and very little disease is shown but they will be all too soon for Easter, the plants being from eight to eighteen inches tall. The Japanese bulbs will have to supply the entire demand for Easter.

The Montreal Gardeners' and Florists' Club held its annual dinner January 16.

LUCK.

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"What Has Been Your Experience?"

Are you getting just what you want, just when you want it, and at just prices? If you are not sure about it, correspond with us. Let us put you on our mailing list to receive our weekly price quotations and useful information.

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Our experience is that the man who does only one thing, usually does it better. We cater to one branch of trade only, and if we didn't do it right, we wouldn't do it long, would we? Correspondence invited.

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J. M. THORBURN, Cortlandt St., New York.

VAUGHAN'S SEED STORE, Chicago and New York.

Please mention the *American Florist* when writing.

NEW ASTER *Miss Kate Lock*

41 inches high. Blooms from 6 to 7 inches across, stems 36 to 39 inches long. Very robust growth; has been grown 48 inches high. Colors, white, daybreak and mixed; price, \$2.00 per 1000 seeds. Never been beat; sold only in 1000 seed packages. No agents. ORIGINATOR,

J. H. LOCK, 41 Manchester Ave., Toronto, Can.
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Carl Roegner, Alabama.

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If you garden for profit or are a florist you should also have Burpee's "BLUE LIST" or Wholesale Price-List for Market Gardeners and Florists.

Write TO-DAY! A postal card will do, while it is sufficient to address simply **BURPEE, PHILADELPHIA.**

W. ATLEE BURPEE & CO., The World's Largest Mail Order Seed Trade

Northern Star Potato.

Having grown several acres of this wonderful Potato last season, when it sold at \$1000.00 a ton, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs. net, F. O. B. Southampton, \$3.00 per case.

Brinkworth & Sons, Ltd.

Potato Growers and Experts.

SOUTHAMPTON, ENG.

WESTERN SEED COMPANY,

Largest Wholesale and Retail Growers of Field Seed Corn in the U. S. We do a general retail mail order business in all kinds of Field, Garden and Flower Seeds. We are always in the market to buy or to sell all kinds of seeds in large or small quantities. If interested, ask for our FREE ANNUAL SEED CATALOG.

WESTERN SEED CO., Shenandoah, Iowa.

ASPARAGUS PLUMOSUS NANUS SEED.

Present season crop. 250,000 at \$2.25 per 1000 in quantities to suit. Early orders solicited. Delivery in February.

Rees & Compere,

LONG BEACH, CAL., R. F. D. No 1

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the *American Florist*. TRY IT NOW.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave.,CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Jan. 26.

Roses, Beauty, long, per doz.	5.00
" " med.	2.00@ 3.00
" " short	1.00
" Liberty	5.00@12.00
" Chateaux	4.00@12.00
" Bride, Bridesmaid	3.00@10.00
" Meteor, Golden Gate	3.00@10.00
" Perle	3.00@ 8.00
Carnations	1.50@ 4.00
Smilax	12.50@15.00
Asparagus sprays	2.00@ 3.00
Valley	3.00@ 4.00
Adiantum	1.00@ 1.50
Violets	50@ 1.00
Callas	12.50@15.00
Romans, Paper Whites	2.00@ 3.00
Tulips	3.00@ 4.00
Harrisii	10.00@15.00

PITTSBURG, Jan. 26.

Roses, Beauty, specials	5' 00@60.00
" " extra	30.00@40.00
" " No. 1	15.00@20.00
" " ordinary	6.00@10.00
" Bride, Bridesmaid	3.00@18.00
" Meteor	6.00@10.00
" Liberties	10.00@15.00
" Kaiserin	4.00@ 9.00
" Perle, Chateaux	4.00@12.00
Carnations	1.00 @ 5.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	25.00@50.00
Asparagus Sprengeri	1.00 @ 3.00
Lilies	20.00@25.00
Adiantum	1.00@ 1.50
Violets	50@ 1.25

CINCINNATI, Jan. 26.

Roses, Beauty, per doz	1.00@ 4.00
" " Bride, Bridesmaid	4.00@10.00
" " Liberty	8.00@15.00
" " Meteor, Golden Gate	8.00@12.00
Carnations	2.00@ 8.00
Lily of the valley	3.00@ 4.00
Asparagus	9.00
Smilax	10.00@12.00
Adiantum	1.00@ 1.50
Callas	10.00@12.50
Asparagus Plumosus and Sprengeri in bunches	25c per bunch
Harrisii	15.00
Romans, narcissus	3.00
Violets	.75@ 1.00

St. Louis, Jan. 26.

Roses, Beauty, long stem	4.00@ 6.00
" " medium stem	2.00@ 3.00
" " short stem	.50@ 1.50
" " Bride, Bridesmaid	4.00@ 8.00
" " Golden Gate	4.00@ 8.00
" " Liberty	4.00@ 8.00
" " Kaiserin	4.00@ 8.00
" " Meteor	4.00@ 8.00
Carnations	1.50@ 4.00
Smilax	15.00
Asparagus Sprengeri	1.50@ 3.00
" " Plumosus	25.00@ 0.00
Ferns, fancy	per 1000, 2.00
Adiantum	1.00@ 1.25
Violets, California	.75@ 1.00
" " Double	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Romans	3.00
Callas	12.50@15.00
Paper White narcissus	3.00

CLEVELAND, Jan. 26.

Roses, Beauty, per doz	1.00@ 6.00
" " Bride, Bridesmaid	5.00@10.00
" " Meteor	5.00@10.00
Carnations	2.00@ 5.00
Smilax	10.00@15.00
Asparagus, strings	25.00@50.00
" " Sprengeri	1.00@ 2.00
Galax	1.00@ 2.00
Common ferns	2.00
Violets, single	.50@ 1.00
" " double	1.50
Paper Whites	3.00@ 4.00
Valley	3.00@ 4.00

Johnny on the Spot.

WE handle your business and handle it quick—supply you with anything the market affords—at the right price and at the right time. An extra fine supply of Beauties, Tea Roses and Carnations. Wild Smilax in quantity. Fancy Ferns, absolutely the best in the market. Asparagus, Adiantum, Smilax, and in fact everything in the Cut Flower line.

J. B. DEAMUD,

PHONES { Central 3155.
Automatic 9922.

51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

CUT TULIPS AND NOVELTIES.

PITTSBURG'S LARGEST AND OLDEST WHOLESALERS,

PITTSBURG CUT FLOWER CO., Ltd.

504 LIBERTY AVE.,

PITTSBURG, PA.

Please mention the American Florist when writing.

HOLTON & HUNKEL CO.,

Wholesale Cut Flowers

462 Milwaukee Street,

MILWAUKEE, WIS.

Please mention the American Florist when writing.

Peter Weiland,

WHOLESALE FLORIST.

Room 18, 128 E. Third St., CINCINNATI, O.

Headquarters for

American Beauties and all leading varieties of
Roses and Carnations.

All flowers sold at prevailing market prices.

Orders received and filled at Greenhouses if
desired, by addressing

PETER WEILAND, New Castle, Ind.

Please mention the American Florist when writing.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all
kinds of Tea Roses at lowest prices. Trial
orders solicited.

HELLER BROS., New Castle, Ind.

South Park Floral Company

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

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A Weekly Illustrated Journal.

ESTABLISHED 1841.

The GARDENERS' CHRONICLE has been for
OVER SIXTY YEARS THE LEADING JOURNAL of its
class. It has achieved this position because, while
specially devoting itself to supplying the daily
requirements of gardeners of all classes, the infor-
mation furnished is of such general and perma-
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is looked up to as the STANDARD AUTHORITY on
the subjects of which it treats.

Subscriptions to the United States, \$4.20 per year.
Remittances to be made payable to H. G. COVE.

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THE Regan Printing House

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CIRCULATED
AND READ.

WHEN YOU ARE IN NEED OF

CARNATIONS

Send us your orders. We have large and regular supplies of all grades of stock.

All Cut Flowers in Season in large supply and best shipping quality.

FANCY VALLEY ALWAYS ON HAND.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located Wholesale Cut flower House in Chicago.

32-34-36 Randolph St., CHICAGO, ILL.

Long Distance Telephones { 1978 and 1977 Central.
7846 Automatic.

American Beauty.		Per doz.
30 to 36-inch stem.....	\$4.00 to \$5.00	
24-inch stem.....	3.00	
20-inch stem.....	2.50	
15-inch stem.....	2.00	
12-inch stem.....	1.50	
Short stem.....	.75 to 1.00	
		Per 100
Bride, Maid, Meteor and Gate...	\$4.00 to \$12.00	
Chatenay.....	8.00 to 15.00	
Carnations.....	3.00 to 4.00	
large and fancy.....	5.00 to 6.00	
Violets.....	.60 to 1.00	
Valley.....	2.00 to 4.00	
Callas, per doz.....	\$1.50	
Paper Whites, Romans.....	3.00	
Tulips.....	3.00 to 4.00	
Jonquills.....	4.00	
Sweet Peas.....	1.50	
Asparagus, per string, 35c to 50c		
Asparagus Sprengerl.....	3.00 to 6.00	
Ferns..... per 10'0, \$2.00	.25	
Galax..... per 1000, 1.25	.15	
Leucothoe.....	.75	
Adiantum.....	1.00	
Smilax..... per doz., \$1.50	10.00	
Wild Smilax, 25 lb. cases.....	3.00	
35 lb. cases, \$4.00; 50 lb. cases, \$5.00		
SUBJECT TO CHANGE WITHOUT NOTICE.		

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

D. WOOD BRANT,

SUCCESSOR TO BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Choice American Beauty Roses.
Prices reasonable.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in Cut Flowers

All telegraph and telephone orders given prompt attention.

35-37 Randolph Street, CHICAGO.

GEO. REINBERG,

Wholesale Grower of Cut Flowers

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER IN THE WORLD.

Price List.

AMERICAN BEAUTIES—		Per doz.
Extra Select.....	\$ 4.00	
30-inch stems.....	3.00	
24-inch stems.....	2.00	
18-inch stems.....	1.50	
15-inch stems.....	1.25	
12-inch stems.....	1.00	
Short stems.....	.75	
		Per 100
LIBERTY.....	\$8.00 to 15.00	
CHATENAY.....	8.00 to 12.00	
MAIDS AND BRIDES.....	6.00 to 10.00	
PERLE.....	6.00 to 8.00	
UNCLE JOHN.....	6.00 to 12.00	
SUNRISE.....	6.00 to 10.00	
CARNATIONS.....	3.00 to 4.00	

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5.00.

SINNER BROS.

Wholesale Growers and Shippers of CUT FLOWERS

68 WABASH AVENUE, CHICAGO, ILL.

With the Flower Growers' Co. Telephone—Central 3067.

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Wholesale Florists.

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

Wholesale Flower Markets

CHICAGO, Jan. 27.

Roses, Beauty, 30 to 36-in. stems	4.00@ 5.00
" 20 to 24 " "	2.00@ 2.50
" 15 to 18 " "	1.25@ 1.50
" 12 " "	1.25
" Liberty.....	8.00@15.00
" Chatenay.....	8.00@12.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor, Golden Gate.....	6.00@10.00
Carnations.....	2.00@ 3.00
fancy.....	4.00@ 5.00
Valley.....	2.00@ 4.00
Violets.....	1.00@ 1.50
Asparagus Plumpus, per string 40 to 60	
sprays 2.00@6.00	
" Sprengerl.....	3.00@ 6.00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000	1.25
" Green, " "	1.00
Adiantum.....	1.00
Fancy ferns..... per 1000	1.50@ 2.00
Smilax.....	12.00@15.00
Callas.....	1.25@1.50 per doz.
Paper Whites.....	3.00@ 3.50
Romans.....	3.00@ 3.50

Flower Growers' Market.

60 Wabash Ave., CHICAGO.

Order your stock where it will be filled with care and dispatch. The most successful growers of cut flowers, are those who sell their own stock. Give us your standing order.

PERCY JONES, Manager.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

ROSES and CARNATIONS A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America

PRICE 15 CENTS POSTPAID.

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35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

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WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

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WELCH BROS.

15 Province Street.

All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.
FLORISTS' SUPPLIES all kinds.
Long Distance Telephone, 6266-6267 Main.

Asparagus Plumosus Nanus Seeds

These are the true variety. 75c per 100; \$6.00 per 1000.

Now is the time to buy KAISERIN and CARNOT, for early summer flowering, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.**WHOLESALE
FLORISTS**ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.

316 WALNUT ST. CINCINNATI, O.

H.G. BERNING**Wholesale Florist**

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

BOSTON, Jan. 26.

Roses, Beauty, best	60.00@80.00
" " medium	30.00@45.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Extra	8.00@12.00
" Liberty	1.00@ 8.00
Carnations	2.00@ 3.00
" Fancy	3.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	1.00@ 1.50

PHILADELPHIA, Jan. 26.

Roses, Tea	8.00@10.00
" extra	12.00@15.00
" Liberty	8.00@35.00
" Queen of Edgely, extra	40.00@60.00
" " firsts	15.00@25.00
" Beauty, extra	40.00@60.00
" " firsts	15.00@25.00
Carnations	1.50@ 6.00
Lily of the valley	3.00@ 6.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.50@ .75
" double	.75@ 1.00
Adiantum	.75@ 1.00
Gardenias	.35@ .50
Mignonette	3.00@ 8.00

BUFFALO, Jan. 26.

Roses, Beauty	10.00@60.00
" Bride, Bridesmaid, Meteor	2.00@12.00
Carnations	2.00@ 4.00
Harrisii	15.00
Lily of the valley	3.00@ 5.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	15.00
Violets	.50@ 1.25

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS

and Florists' Supplies.

228 Diamond St., PITTSBURG, PA.

Send for weekly price list and prices on large orders...

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

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RICE BROTHERS,
128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at
Market Prices.
Shippers of choice Cut Flowers and Greens of all
kinds. Try us.

The Best Customers.

AM. FLORIST Co.:—The best customers I have obtained through trade paper advertising have come to me through the columns of the AMERICAN FLORIST.

ALBERT M. HERR.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

PHILADELPHIA CUT FLOWER CO.

Wholesale Commission Florists

CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
FANCY CARNATIONS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

PHILADELPHIA, PA.

Chatogue Greenhouses
MOBILE, ALA.

EXCLUSIVELY WHOLESALE.

REQUESTS from the trade for designs or cut flowers to be delivered at short notice in, or near Mobile or New Orleans, when made through us, will be executed with fresh stock by our retailers (Miss Maria Minge, Mobile; Mr. U. J. Virgin, New Orleans), and satisfaction guaranteed. Only high-class orders accepted.

Address all telegrams at our expense to

F. P. DAVIS, Mobile, Ala.

Reference, Messrs. R. G. Dun & Co.'s Agency.

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are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

THE RELIABLE Commission House,

Jos. S. Fenrich

48 W. 30th St., NEW YORK.

Telephone 325 Madison Sq.

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Telephone 2065 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

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106 West 28th Street, NEW YORK.

American Beauties, Orchids, Roses,
Carnations, Violets, and Every Variety of CUT FLOWERS.

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Open every day at 6 a. m.

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Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 Madison Square.

57 West 28th Street, NEW YORK CITY.

JOHN YOUNG,Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all Seasonable Flowers.51 West 28th St., NEW YORK.
Telephone 1906 Madison Square.

Original Pioneer House—Established 1871.

JAMES HART

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Wholesale and Commission

Consignments solicited. Shipping orders
promptly attended to. Phone 626 Madison.**THOMAS YOUNG, Jr.**

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CHOICEST CUT FLOWERS.

43 W. 28th St., NEW YORK CITY.

—FLOWERS SHIPPED BY—

John I. Raynor,Are the best product of the best growers
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ADANTUM CROWEANUM sold here exclusively.

49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.**Walter F. Sheridan,**

WHOLESALE FLORIST,

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39 West 28th St., NEW YORK.

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.**Wholesale Flower Markets**

NEW YORK, Jan. 26

Roses, Beauty, best.....	15 00@50.00
" " medium.....	3 00@10.00
" " culls.....	1 00@2.00
" Liberty, best.....	10 00@40.00
" " medium.....	3 00@10.00
" " culls.....	2 00@3.00
" Bride, Bridesmaid, G. Gate.....	2 00@15.00
" Kaiserin, Carnot.....	1 50@10.00
Carnations.....	2 00@3.00
" fancy and novelties.....	3 00@6.00
Lily of the valley.....	1 00@4.00
Lilies.....	6 00@10.00
Smilax.....	5 00@10.00
Adiantum.....	.10@.50
Asparagus.....	20 00@50.00
Gardenias.....	2 00@10.00
Violets.....	.30@.75

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which I can ship
ferns and decorative plants promptly.

50 W. 29th St. NEW YORK.

Tel. 3860 and 3861 Madison Square.

Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
Consignments Solicited.**A. L. YOUNG & CO., Wholesale**
Florists,
64 West 28th Street,
Telephone 3559 Madison Sq. NEW YORK.**FORD BROS.**

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Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

TELEPHONE 280 MADISON SQUARE.

The Only House Handling the **Victory**

NEW RED CARNATION

To be Disseminated 1906. Also a Complete
Line of **Choicest Flowers.****ALEX. J. GUTTMAN, WHOLESALE**
FLORIST,

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Telephones: 1664-1665 Madison Square.

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Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
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Specialty.

CONSIGNMENTS SOLICITED.

Prompt Payments. Established 1881.

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Telephone 8924 Madison Sq.

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55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices:

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
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SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

83 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IND.
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ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, L. Dist. Phone Lindell 198 M.

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The Park
Floral Co.

J. A. VALENTINE, Pres. DENVER, COLO.

MILWAUKEE.

C. C. Pollworth Co.
MILWAUKEE, WIS.

Will take proper care of your orders in
WISCONSIN.

CHICAGO.

Established 1857.

The Geo. Wittbold Co.

1857 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

Palmer's
BUFFALO,
N. Y.

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs.***

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

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HESS & SWOBODA,
FLORISTS,

1415 Farnam Street, OMAHA, NEB.
Phone 1601 and L. 1682.

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612 13th St. N.W., WASHINGTON, D. C.

ST. PAUL.

HOLM & OLSON,
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THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in Minnesota and the Dakotas.

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TELEPHONES: { Central 2851
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FLORIST,

Corner Wabash Ave. and Monroe St. CHICAGO.
Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in every shape executed with care and despatch.
Leading Chicago Retailer.

MILLS THE FLORIST,

36 W. Forsyth Street,
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CHAS. CHADWICK,

COR. FULTON & LAGRAVE,

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WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

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JOHN WOLF,

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Paper White Narcissus and
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WE REACH ALL POINTS.

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WILLIAM L. ROCK
FLOWER CO.

Kansas City, Mo.

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ALWAYS MENTION THE....

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WHEN WRITING ADVERTISERS.

WHITE LILAC Extra Fancy Stock, \$1.50 per dozen.

LA REINE TULIPS, \$3.00 Per 100.

CARNATIONS. Fancy stock in all varieties.

ROSES. Maid, Bride; something choice.

A. L. RANDALL CO.

19 Randolph Street,

CHICAGO, ILL.

Wietor Brothers, 51 Wabash Avenue,
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WHOLESALE CUT FLOWERS.

—MCKINLEY WEEK PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

Per doz.

36-inch stem.....	\$1.00 to \$5.00
30-inch stem.....	3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
18-inch stem.....	1.50
12-inch stem.....	1.25

ROSES.

Per 100

Bride and Maid.....	\$ 6.00 to \$10.00
Meteor and Gals.....	6.00 to 10.00
Liberty.....	6.00 to 12.00
CARNATIONS —Good stock.....	3.00
“ Large and fancy.....	4.00 to 6.00

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

\$2.00

POSTPAID TO
Any ADDRESS



**SAVES MANY TIMES
ITS PRICE**



THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 412 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.
324 Dearborn St. CHICAGO.

HIGH-GRADE SOUTHERN WILD SMILAX.And Florists' Hardy Decorative Supplies.
Prices Right.SPECIAL FACILITIES FOR HANDLING LARGE ORDERS.
WRITE, WIRE OR PHONE.

E. A. BEAVEN, - - Evergreen, Ala.

Louisville.

The past week was an improvement over the two or three previous ones. Stock which a week ago was very plentiful is rather a hard matter to get now. It has become so that in ordering pink roses one does not know whether he is going to get red or white, thus showing there must be a good demand for stock. Roses have become a little scarce, and the quality has also lowered considerably. The demand is very satisfactory. In carnations the quality remains about the same, averaging good, but the supply is very limited. Violets have been in good demand. Home grown lily of the valley has become a standard flower and is locally grown in great quantity. Mignonettes are in fairly good demand but the quality of the shipped stock has come down considerably. Sweet peas are rather slow to come in in large quantities, nearly all the growers having found some difficulty in starting them. Despite the great quantity of stevia grown locally it is very hard to get.

Schulz had a reception decoration recently in which there was a mantel decoration which contained about one hundred choice American Beauty roses.

F. Walker & Company had a neat window decoration consisting of many varieties of plants, among which were some very good azaleas and lilacs.

Visitors: Charles F. Meyer, of New York, and H. A. Brown, of Buechel, Ky. F. L. S.

Toronto.

Trade is quiet. American Beauty roses are very short in stock as are also the first grades of other roses. Chateau and Gen. MacArthur are in good demand though there are not many of them to be had. Carnations are very plentiful. Violets are in good crop and Harrisii and calla lilies are becoming more plentiful. Bulbous stock is a glut.

The officers of the Gardeners' and Florists' Association entertained the members and wives and families on Tuesday, January 17, at St. George's hall. The different events were very entertaining. We had as a visitor E. G. Hill, of Richmond, Ind., who came over with a vase of his new rose, Richmond. The entertainment was the best ever held by the club. Those who took part were James Milne, W. Lawrence, J. Hutchinson, Geo. Brown, Mrs. Houle, Miss Edwards, Miss Crawford, Miss Douglass and Miss Lee.

J. H. Dunlop's King street store has had on exhibition a vase of the new rose, Richmond. It was much admired and is worthy of the praise that has been given it.

Charles Turpe has put up a new house 21x50 feet for young stock.

Wm. Jay, Jr., was married in Buffalo on Wednesday last.

Visitors: Ed. Dale, Brampton; R. Jennings, Brampton, and A. Hans, representing K. J. Kuyk. H. G. D.

HARDY CUT DAGGER AND FANCY FERNS.

We carry the finest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are **DAGGER**, \$1.50 and **FANCY FERNS**, All quality, \$1.50 per 1000. Discount on larger orders. **BRILLIANT BRONZE** and **GREEN GALAX**, \$1.00 per 1000. **Laurel Festooning**, good and full, handmade 50 and 60 per yd. **Green and Sphagnum Moss**, \$1.00 per bbl. **Sphagnum Moss**, 50c per bag; 5 bags, \$2.00. **Ivy Leaves**, \$4.00 per 1000. **Sprenger**, 250 and 50c per bunch. **Asparagus Plumosus**, 50c per bunch or string. **Leucothoe Sprays**, \$1.00 per 100; \$7.50 per 1000.



We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

HENRY M. ROBINSON & CO., L. D. Phone 2618 Main. 8 and 11 Province St., Boston, Mass.

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Stands at Cut
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26th Street & 34th
Street Cut Flower



Market. Specialties: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, 75c per 1000.

FOR SOUTHERN WILD SMILAX

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Write, Wire or Phone the Introdurers,

Caldwell The Woodsman Co., Evergreen, Ala.

New Crop Southern Wild Smilax
now ready in limited quantities.**GEORGE COTSONAS & CO.,**Wholesale and Retail
Dealers in all kinds of

EVERGREENS.
Fancy and Dagger
Ferns, Bronze and
Green Galax.

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WHOLESALE DEALERS.All Decorating Evergreens, Galax,
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TELEPHONE 1519 MADISON SQ.

—GREEN AND BRONZE—

Galax Leaves.Fresh gathered, \$3.00 per case of 5,000.
Cash with order.**HALL & JONES COMPANY,**
BLOWING ROCK NORTH CAROLINA.If you want to get the want
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to get your want ad into the**AMERICAN
FLORIST**

Try it now

Every advertisement represents
a genuine want. It pays
to answer them.**HARDY CUT FERNS.**

Fancy or Dagger Ferns, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000. \$8.50 per case of 10,000. **Laurel Festooning**, hand-made, full sizes, 40, 50 and 60 per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. Branch **Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.

Tel. Office, New Salem, Mass. Millington, Mass.
Please mention the American Florist when writing.**HEADQUARTERS FOR
"SUPERIOR QUALITY"
BRAND****Wild Smilax**

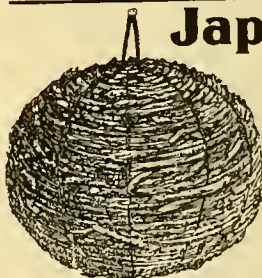
25 pound case.....\$3.00
35 pound case..... 4.00
50 pound case..... 5.00

ALWAYS ON HAND, AND
IN ANY QUANTITY.

NONE BETTER.

E. F. WINTERSON CO.,
45-47-49 Wabash Avenue,
CHICAGO.

Please mention the American Florist when writing.

**Japanese
Fern
Balls**5 in. and 7-9 in.
sizes.

Write for prices.

VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.**TO BUY OR SELL**

Advertise in THE AMERICAN FLORIST.

DREER'S SUMMER FLOWERING BULBS.

The Begonias and Gloxinias offered by us are the best which skill and careful selection can produce, they are grown for us by one of the most expert European specialists.

Tuberous Rooted Begonias.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40¢ per dozen; \$3.00 per 100; \$25.00 per 1000.

Choice Single Flowered in Mixture, 35 cents per dozen. \$2.50 per 100; \$22.00 per 1000.

Double Flowering, Scarlet, Rose, White and Yellow, 65 cents per dozen; \$5.00 per 100; \$40.00 per 1000.

Choicest Double Flowering in Mixture, 50 cents per dozen; \$4.00 per 100; \$35.00 per 1000.

New Hybrid Frilled Tuberous Begonias.

A most unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25¢ each. \$2.50 per doz.; \$20.00 per 100.

Gloxinia Crassifolia Grandiflora.

A very fine selected strain, strong, well-matured bulbs, Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 50¢ per dozen; \$4.00 per 100; \$35.00 per 1000.

Fancy Leaved Caladiums.

A choice selection of 25 distinct named varieties, fine large bulbs, \$1.25 per dozen; \$10.00 per 100. Choice mixed varieties, \$1.00 per dozen; \$8.00 per 100.

Our Quarterly Wholesale List has just been issued and offers a full line of seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, Philadelphia, Pa.

Please mention the American Florist when writing.



BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURIST'S RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

GINSENG (Kains).—At the present time when so much interest is taken in ginseng it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.



FANCY CUT FLOWERS A SPECIALTY.

If you want Choice Cut Flowers at any time or all the time, send to

CHARLES W. McKELLAR,
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Western Headquarters for Choice

ORCHIDS, FANCY VALLEY, TULIPS and all BULBOUS STOCK, VIOLETS BEAUTIES, TEA ROSES, and CARNATIONS.
Wild Smilax, Asparagus, Adiantum, Smilax, Fancy Ferns always in abundance.
Also a complete line of all Florists' Supplies, Novelties and Wire Work.

LONG DISTANCE 'PHONE, CENTRAL 3598, AUTO. 3823.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 25 cents.

CABBAGES, CAULIFLOWER and ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insect pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages with twenty-two illustrations. 50 cents.

Beauties,
ROSES, CARNATIONS, LILIES

—AND—

Cut Flowers of All Kinds.

Michigan Violets a Specialty

Grand Rapids
Florists' Ass'n.

60 Wabash Ave., CHICAGO.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

VISITED NEW YORK.—A. L. Rogers, of Rogers Brothers, Chaumont, N. Y.

VISITED CHICAGO.—Edgar J. Lambert, representing Hammond's Slug Shot Works, Fishkill-on-the-Hudson, N. Y.

We learn from the European papers that the total amount received for the Vilmorin memorial up to January 14 was £1,217, contributed by 2,710 subscribers.

ONION SETS at Chicago are reported at from \$2.50 to \$2.75 for White Bottoms and \$1.75 to \$2 for Reds and Yellows on the basis of a thirty-two-pound bushel.

January Trade Reports.

Iowa Seed Company: "Our catalogues were about a week later than usual, yet orders are not far behind. Inquiries are coming in well. We are inclined to look for better season than last year. Business last year started in early but had a setback in February and March and never regained the loss. We think the winter weather now is quite general and believe it will prove favorable for the season's trade."

Cole's Seed Store: "It is rather early in the season to say what the prospect will be for business this winter and spring. Our catalogue was sent out about eight days later than last year, and being severe weather cannot very well compare with business done that year. In some lines we expect a good business, and others will not compare with last season."

Nanz & Neuner: "Southern countries are having a cold spell which has retarded the demand. We believe with favorable weather the trade will open up to our expectations, which are promising."

Geo. H. Mellen Company: "We are pleased to say that, so far, the returns from our new catalogue are very satisfactory, and indications are for a largely increased trade this coming season."

John Lewis Childs: "Our retail catalogue trade has opened exceedingly well, although our entire edition has not yet been mailed. Cannot yet give definite comparison."

Barteldes & Company: "Retail business so far very light. Wholesale trade just starting, southern orders coming freely. We look for a large business."

Huntington & Page: "Results at the present time are satisfactory, considering that catalogues are hardly in the hands of customers."

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

Tomato and Corn Pack of 1904.

The quantity of tomatoes packed in the United States and Canada during the season of 1904, according to the American Grocer of December 21, 1904, amounted to 8,968,803 cases of two dozen cans each, against 10,679,809 cases for the preceding year, a decrease in 1904 of 745,671 cans, or about sixteen per cent.

The corn pack proves to be a record breaker, being more than any previous pack, except that in 1900. Notwithstanding the reduced acreage in some states, early killing frost in Maine and the unfavorable conditions in New York, the output reaches 11,462,969 cases against 4,851,146 cases in 1903.

Boston.

The new regulation of the postmaster general which allows the mailing of third and fourth class matter, under which head the seed catalogues come, without affixing stamps, was given a trial for the first time last week when the various firms sent out their catalogues. In every instance it saved a great deal of time and work as in previous years every catalogue had to be stamped separately. It is the opinion of all that this regulation has filled a long felt want.

Everett E. Wheaton of Joseph Breck & Sons died Saturday, January 21, of pneumonia. The deceased had been connected with Joseph Breck & Sons for the past twelve years and was one of their most trusted employees, having had charge of one of the wholesale departments. At the time of his death he was captain of the bowling team representing his firm and was a most zealous worker in matters concerning the welfare of his fellow employees.

Among the visitors to Boston was A. J. Brown of Grand Rapids, Mich., on his annual tour through the east. He reports having made many contracts for the coming year.

John H. Allan, of Sheboygan, Wis., was a visitor. He reports a very promising outlook for the coming season.

W. E. C.

Newport, R. I.

The recent announcement in a local paper of the proposed alteration of the George A. Weaver Company's building on Broadway into a hotel has caused much talk. The change has not yet been definitely decided upon.

Last Tuesday Mr. and Mrs. George A. Weaver left for Hot Springs, Ark. Mr. Weaver goes for the benefit of his health.

H. B. Odell has been here a few

days representing Weeber & Don of New York. This is Mr. Odell's first trip here for this firm, he having succeeded George A. Burnett.

J. M. Thorburn & Company of New York have been looking after their interests through David S. F. Adam, who has been here for several days.

The Business Men's Association, to which belong many florists and seedsmen, has voted to disband, as the membership has fallen away so fast that the association is no longer self-supporting.

X.

Catalogues Received.

J. Lambert & Sohne, Trier, Germany, seeds, plants and implements; John N. May, Summit, N. J., roses, carnations and chrysanthemums; W. Atlee Burpee & Company, Philadelphia, Pa., seeds; H. Cannel & Sons, Swanley, Kent, Eng., seeds; W. W. Rawson & Company, Boston, Mass., seeds; National Nitro-Culture Company, West Chester, Pa., nitro-culture; Haskell Avenue Floral Company, Dallas, Tex., roses and plants; Conard & Jones Company, West Grove, Pa., roses, plants, seeds, etc.; Vaughan's Seed Store, Chicago and New York, plants and seeds; James J. H. Gregory & Son, Marblehead, Mass., vegetable and flower seeds; Weeber & Don, New York, garden seeds and tools; The Storrs and Harrison Company, Painesville, O., seeds; Miss Mary E. Martin, Floral Park, N. Y., seeds, bulbs and plants; Arthur T. Boddington, New York, seeds, bulbs and plants; Frank Banning, Kinsman, O., gladioli; Nonne & Hoepker, Ahrensburg, Germany, seeds; Orcutt Seed and Plant Company, San Diego, Cal., seeds and plants; Barbier & Company, Orleans, France, nursery stock; Zion Horticultural Supply, Zion City, Ill., seeds; Arthur Cowee, Berlin, N. Y., gladioli; J. M. Philips' Sons, Pittsburg, Pa., seeds; Martin Kohankie, Painesville, O., nursery stock; The Goulds Manufacturing Company, Seneca Falls, N. Y., sprayers, pumps, etc.

Optimism.

Proprietor (of wholesale garden seed establishment)—"Well, get busy. It's time we were sending out our catalogues."

B. okkeeper—"Isn't it too early?"

Proprietor—"Not a bit. It makes the people feel that spring is coming, and while the glow is on they sit down and send us their orders. See?"—Chicago Tribune.

SALT LAKE CITY, UTAH.—Invitations are out for the celebration of the twenty-fifth wedding anniversary of Mr. and Mrs. C. Cramer, to be celebrated February 1.

Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mullus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.



NEW CROP FLOWER SEEDS

FOR PRESENT SOWING.

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

We are HEADQUARTERS for Greenhouse Grown Seed of ASPARAGUS PLUMOSUS NANUS.

Asparagus Plumosus Nanus.

	Trade Pkt.	Oz.
Ageratum, Imperial Dwarf, blue.....	.10	\$.25
Imperial Dwarf, white.....	.10	.25
Blue Perfection, dwarf.....	.10	.30
Princess Pauline, fine for pots.....	.10	.30
Princess Victoria Louise, new, beautiful blue and white flowers, plants compact and free-blooming.....	.10	.60
Alyssum Sweet.....	lb., \$1.25	.05 .15
Alyssum Little Gem.....	lb., \$3.50	.10 .35
Ampelopsis Velochi.....	lb., \$1.00	.10 .15

ASPARGUS PLUMOSUS NANUS.

New Crop, Greenhouse Grown Seed, per 100 seeds, 75c; 250 seeds, \$1.50; 1000 seeds, \$5.00.

Plumosa Robustus, new, per 100 seeds, \$1.00; 1000 seeds, \$10.00.

Sprengeri, 100 seeds, 15c; 1,000 seeds, 75c; 5,000 seeds, \$3.25.

Write for prices on larger lots on above three.

Decumbens, 100 seeds, 50c; 1,000 seeds, \$4.00.

Comorensis, per 100 seeds, \$1.25; 1,000 seeds, \$10.00.

ASTERS.

Queen of the Market,	Trade Pkt.	1/4 Oz.	Oz.
White.....	lb., \$5.00	.10	\$.20 \$.50
Pink.....	lb., 5.00	.10	.20 .50
Scarlet.....	lb., 6.00	.10	.20 .50
Light blue.....	lb., 5.50	.10	.20 .50
Dark blue.....	lb., 5.50	.10	.20 .50
Mixed.....	lb., 4.25	.10	.15 .40

Branching or Simple,

	Trade Pkt., 10c.
White.....	1/4 oz., 20c.
Rose pink.....	Oz., 60c.
Lavender.....	lb., \$6.50.
Red.....	
Purple.....	
Light blue.....	
Daybreak pink.....	Trade Pkt. 1/4 Oz. Oz.
Mixed.....	lb., \$6.00 .10 .20 .50

Vaughan's Upright White Branching.....

Vaughan's Upright Pink Branching.....

Balsam, Alba Perfecta. This is the largest and best double white Balsam.....

Begonia Vernon.....

Bellis or Double Daisy, Mammoth Mixed...1-16 oz., 45c.....

Bellis or Double Daisy, Mammoth White...1-16 oz., 40c.....

Bellis or Double Daisy, Mammoth Pink...1-16 oz., 65c.....

Bellis or Double Daisy, Longfellow, dark pink, 1/2 oz., 35c.....

Bellis or Double Daisy, Snowball, dbl. white, 1/2 oz., 35c.....

Candytuft, Giant Hyacinth-Flowered. This improved strain is superior to Empress...1/2 oz., 10c.....

Canna, Crozy sorts, extra choice mixed.....

Celosia, President Thore. This is a splendid variety which is so much and effectively used in our parks.....

Celosia Thompsoni Magnifica. Of great value for all decorative purposes in and out of doors. Pkt., 10c; 1/4-oz., 25c.

	Trade Pkt.	Oz.
Centaurea Candidissima (Dusty Miller) 1,000 seeds.....	.25	1.70
Centaurea Gymnocarpa.....	lb., \$2.75	.30
Clematis Paniculata, white, sweet scented.....	lb., \$4.50	.15
Cineraria - Maritima "Diamond." This is one of the finest foliage bedding plants. The leaves are broad, snow-white and lasting. Superior to the older varieties.....	1/4 oz., 60c	.15
Cineraria Maritima Candidissima.....	.10	.20
Cobaea Scandens.....	.10	.40
Alba.....	.15	.60
Coleus, Mammoth Rainbow Mixture, a very fine mixture.....	1-32 oz., 50c	.20
Coleus, Large Leaved Sorts, extra choice mixed.....	.20	

VAUGHAN'S GIANT-FLOWERED CYCLAMEN.

	100 seeds, 65c	1000 " \$5.00	250 seeds of any one kind at the 1000 rate.
Pure White (Mont Blanc)			
Dark Crimson			
Rosa von Marienthal, "Daybreak"			
Dark Rose			
White with Carmine Eye			
Rubin, darkest red, 100 seeds, \$1.50.			

DAHLIA, Burbank's Selection. The seed we offer is of L. Burbank's own saving, and he writes: "This seed will produce a greater proportion of large, clear, bright colored, perfect double flowers than any ever before offered; 90 per cent of good flowers can be expected." Blooms the first year from seed. Pkt. (100 seeds) 50c. Trade Pkt. Oz.

DAISY, Non Plus Ultra, best white.....

Dracaena Indivisa.....

New Shasta Daisies...1-16 oz., \$1.00.....

Vaughan's Early and Late Flowering Forget-me-not...1/4 oz., 25c.....

Geranium, Apple-scented, 200 seeds, 25c; 1,000 seeds, \$1.00.

Gloxinia Hybrida, Vaughan's Columbian Mixture, Pkt. (1,000 seeds) 50c; 3 pkts. for \$1.25.

Crevillea Robusta (Silk Oak).....

Holiotrope, Lemoine's Giant.....

IPOMEA Noctiflora, Moonflower—

White seeded.....

New Hybrid, blooms early.....

Lemon Verbena.....

Linarla (Kenilworth Ivy).....

Lobelia, Crystal Palace Compacta.....

Speciosa, dark flowers and foliage for hanging baskets.....

Emperor William, dwarf.....

Begonia Queen.....

Matricaria Capensis fl. pl. Double

White Feverfew.....

Maurandya, Mixed.....

Giant blue.....

Mimulus (Musk Plant).....

Musa Ensete, 100 seeds, \$1.00.

Nicotiana Sanderae, with large bright Tr. pkt. carmine flowers.....

Pandanus Ullie, 100 seeds, \$1.00.

PANSIES.

Vaughan's Up-to-Date "International"

Received the only award for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy Specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., \$10.00; 1/2 oz., \$5.00; 1/4 oz., \$1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made by us from all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture. Price 1/4 lb., \$14.00; oz., \$4.00; 1/2 oz., 60c; trade pkt., 25c.

Vaughan's Premium Mixed, per pkt., 25c; 1/2 oz., 80c; 1/4 oz., \$3.00; oz., \$5.50.

Chicago Parks Bedding, "Choice Mixed" pkt., 10c; 1/4 oz., 30c; oz., \$1.00; 4 oz., \$3.00.

Petunia, "Vaughan's Best" Mixture of Large Flowering Petunias, trade pkt., (1,000 seeds) 50c; 3 pkts. for \$1.25.

Petunia, Howard's Star. Distinct from Inimitable, or Blotched and Striped. The color is a rich velvety crimson-maroon: a splendid sort for borders, hanging baskets, vases, etc. Pkt. (500 seeds) 25c.

Petunia, Vaughan's Double Petunias, mixed, trade pkt. (600 seeds) \$1.00.

Petunia, Double pure white, 250 seeds, 50c.

Petunia, Extra Large Flowering, double fringed. This extra choice strain produces about 30 per cent of splendid double fringed flowers. Trade pkt. (500 seeds) 60c; 1,000 seeds, \$1.00.

Pyrethrum, Golden Feather.....

Salvia Splendens, Clara Bedman (Bonfire).....

"Drooping Spikes,".....

Silverspot.....

A. Ragenau.....

Smilax, new crop, 1/4 lb., 70c; lb., \$2.50.....

STOCKS, Large-Flowering German 10 Weeks.

Pure White, Brilliant Rose, Bright Crimson, Blood Red, Purple, Light Blue, Canary Yellow, Price each above per 1/2 oz., 40c; oz., \$2.25; pkt., 25c.

Large Flowering, extra choice mixed.....

Thunbergia, Mixed.....

"Vaughan's Best" Mixture of Verbena.....

Verbena Candidissima, white, 1/4 oz., 20c.....

Defiance, brightest scarlet, 1/4 oz., 25c.....

Mammoth, mixed, 1/4 oz., 25c.....

Mammoth, white, 1/4 oz., 25c.....

Mayflower, striped on red ground.....

Mammoth purple.....

Vaughan's Seed Store,

NEW YORK, 14 Barclay Street.

84-86 Randolph Street, CHICAGO.

Greenhouses, Nursery and Trial Grounds, Western Springs, Ill.

Please mention the American Florist when writing.

CHARLESTON, W. VA.—A charter was issued here, January 3, to the American Horticultural and Distributing Company of Martinsburg, W. Va., to manufacture and deal in horticultural and agricultural implements and chemicals. The capital is \$25,000. John W. Stewart, C. W. Tallies, J. P. Wickersham, John Lemon and H. H. Emmert, all of Martinsburg, are the incorporators.

LEONARD SEED CO.
Write for Prices.
WE ARE HEADQUARTERS FOR Flower Seeds and Bulbs.
ONION SETS.

WHOLESALE SEED GROWERS
Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Peas and Garden Seeds. WRITE FOR PRICES.
CHICAGO.

Please mention the American Florist when writing.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

JACKSON, IA.—E. L. Lewis, of Cresco, Ia., will start a nursery in the spring on land recently purchased, known as Thomas hill.

PULASKI, TENN.—The Giles County Nursery Company of Lynnville, has purchased fifty-five acres of land here and will operate a branch, with headquarters at Lynnville.

GRAND RAPIDS, MICH.—The council is considering the project of establishing a municipal nursery in John Ball park. Superintendent Cukerski of the park system is recommended as supervisor.

FARGO, N. D.—The North Dakota State Horticultural Society at its annual meeting January 20, elected the following officers: James Holes, Fargo, president; Professor C. B. Waldron, Fargo, secretary; Lieutenant Governor Bartlett, Coopertown, treasurer.

ALGOMA, WIS.—The Algoma Horticultural Society at its meeting at Grange hall January 3 elected the following officers for the ensuing year: President, Marcelin Henry; vice-president, Andrew Hanten; secretary, Mrs. Anna Smith; treasurer, C. Philippen.

Nursery Notes.

Crimson Rambler rose cuttings root as readily from outdoor wood as does that grown under glass and you get much larger plants the same season.

Black locust is being highly recommended for a street tree in the smoky sections of large cities.

If your stock for transplanting has not been sorted and sized, do it now. It pays.

M.

Fruit Trees Along the Highway.

One of the ways for beautifying the country in the Grand Duchy of Baden without any ultimate expense to the taxpayer is the planting of fruit trees along the government highways. These are cherry, apple, pear, and in some places walnut trees. The trees are planted thirty-two feet apart along each side of the road, and when the fruit is ready for market it is sold at public auction on the trees, the purchaser being obliged to harvest it at his own expense. The amount realized from the sale of the fruit is applied toward the maintenance of the system—the propagation of young trees, their planting and cultivation, etc.

The department of the government managing the enterprise is known as the department of "Wasser und Strassenbau." There are two large nurseries, one near Emmendingen and one near Durlach, where the trees are grown. The total amount realized from the sale of the fruit in 1902 was 38,046 marks, or \$9,055; in 1903, 24,081 marks, or \$5,731. These were not such good fruit years as the present one,

but the amount realized this year has not been reported. The cost of maintaining the system in 1902 was \$4,590, and in 1903, \$4,980. The price realized for apples was 1 1-6 cents a pound; for pears, 2 1-5, and for cherries, 2 2-5 cents per pound.

JOSEPH I. BRITAIN.

Concord, N. H.

At the annual election of the New Hampshire Horticultural Society, Col. C. C. Shaw of Milford was elected president, and Hon. W. D. Baker of Quincy, secretary. A resolution was adopted recommending legislative action on a bill to reorganize the forestry commission and the protection of forests from fire.

Prof. F. W. Rainie of Durham and Philip W. Ayres were appointed a committee of two to act in co-operation with a similar committee from the Society for the Protection of New Hampshire Forests, which joint committee is requested to co-operate with the authorities in Massachusetts who are seeking to exterminate the brown-tail moth. The society urges the towns in the southern tier of the state where this pest is already making headway to take immediate action in destroying all nests before the first warm days of spring.

Massachusetts Horticultural Society.

The list of prizes offered by the committee on "school gardens and native plants," together with the various exhibitions in that line has just been published. The exhibitions of native plants will occur on April 29, June 3-4, June 24-25, July 8-9, August 12 and September 14-17. The exhibition of native ferns will be on July 22, and the exhibition of children's herbariums on the Friday and Saturday following Thanksgiving. The prizes for school gardens are \$12, \$10 and \$8, and for children's home gardens \$5, \$4, \$3, \$2, two of \$1 and four of 50 cents. The committee for the present year is Henry S. Adams, of Wellesley, Charles W. Jenks, of Bedford, William P. Rich, of Chelsea, Miss Mary Rodman, of Concord, and W. E. C. Rich, of Roxbury.

Mrs. Anna C. Ames has offered to the society prizes for the Mrs. Oliver Ames rose. The prizes are for the best fifty blooms, to be awarded at the spring exhibition in March, and are \$30, \$20 and \$15.

The next exhibition will be in February, and will include primulas, violets, carnations and Begonia Gloire de Lorraine. The Boston Co-operative Flower Growers' Association and the Boston Co-operative Flower Market will both have their annual exhibitions in connection with this exhibition.

Prof. M. L. Fernald, of Cambridge, delivered an address January 14, entitled "Some Recently Introduced Weeds," offering many valuable suggestions.

H. P. S.

Monmouth Horticultural Society.

The Monmouth County Horticultural Society held an interesting meeting January 20 at Red Men's hall, Oceanic, N. J. Two new members were elected. Charles Totty, Madison, N. J., Alfred Richards, New York, and

Anton Bauer and John Schackla, of Deal, N. J., were visitors. It was decided to hold the annual ball February 10, postponing the regular meeting from February 3 to that date.

G. H. Hale exhibited *Primula obconica grandiflora*, receiving 90 points. W. Turner had carnations, Harlowarden, Enchantress and Gov. Wolcott which scored 80 points. Mr. Kettel has been showing tulips since December 15, with stems 9 and 10 inches long. When asked about the culture of same he said that when he had them boxed he left them outside, uncovered, for three or four weeks. Then he put them in a cool cellar. When he brings them into the house for forcing he covers them with a box. Remarks were made by Charles Totty, Alfred Richards, H. A. Kettel, N. Butterbach, A. G. Williams and others.

B.

Greenhouse Heating.

ED. AM. FLORIST.—The heating system in my greenhouse is not satisfactory, although it was put in by a reliable firm. The flow pipes rise from the boiler about 10 inches and then run horizontally two feet, then drop 8 inches and finally rise to the expansion tank, as per sketch enclosed. I think that the 8-inch drop should not be there. Am I right? Are four 2-inch flows and four 2-inch returns sufficient to keep the temperature at 50° when the thermometer seldom goes below 12° below zero? The house is 12x50, with 10-foot ridge and one end of house exposed.

SUBSCRIBER.

The flow pipes should either be given a slight rise or a slight fall after the horizontal run is commenced, and a drop, such as is described, is not advisable. In fact, I do not see how the system could fill with water in the part above the boiler unless there is an air cock or a vent of some kind. The description of the house is hardly definite enough to tell just how much radiation is required. If the walls are well built without glass, and no more than five feet high, there should be no difficulty in maintaining a temperature of 50 degrees in a house 12 by 50 feet when the thermometer is 15 degrees below zero. By running a half inch pipe from the highest point of the system over the boiler, to a point a little higher than the point of the expansion tank, it is possible that the difficulty will be corrected but if this does not suffice, it can certainly be done by running the flow pipe in a straight line.

L. R. T.

SOUTHINGTON, CONN.—C. W. Blatchley has leased his greenhouse property on Bristol and Main streets to John Oleson and Philip Loudon who have worked for him for the past two years.

The Best Paper in the Trade.

AMERICAN FLORIST Co.:—I send here-with a money-order in payment of my subscription to the AMERICAN FLORIST. Your paper is all right, the best in the trade.

F. G. CHAPMAN.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.
RIVER VIEW NURSERIES,
J. H. O'HAGAN. LITTLE SILVER, N. J.

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Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

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Drawer 1044 Y Established 65 Years.

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RHODODENDRONS.

10,000, all sizes; large sizes to 5x5 feet. Write for kinds and prices.

C. J. NOYES, PENDLETON NURSERIES.
Manchester, England.

W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Jacs Smits, Ltd. NAARDEN, (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.

August Haerens' Nurseries, SOMERGEM, GHENT, BELGIUM.

Furnish PALMS, ARAUCARIAS, BAY TREES, FICUS and other decorative plants for 1905, spring delivery. AZALEAS for fall delivery. Prime quality; careful packing. Trade list sent by the American Agents.

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Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.

WILL B. MUNSON, Denison, Tex.

Philadelphia Rambler.

Flowers brighter and much more double than Criméon Rambler, strong grower, blooms earlier and does not bleach out. Field plants, 2 to 3 ft., \$2.00 per doz.; \$15.00 per 100. Field plants, 3 to 4 ft., \$3.00 per doz.; \$20.00 per 100.

The Conard & Jones Co., WEST GROVE, PA.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR EASTER FORCING

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.	\$.15	\$ 1.50	\$12 00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots40	3 50	25 00
LILAC, Chas. X and Marie Legraye, pot-grown85	9 00	65 00
Extra heavy	1 00	11 00	
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VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.	1.50	12.50
EUONYMUS JAPONICUS, 1 year, 6 to 8 inches.	2.00	18.00
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.

Hardy Native Pennsylvania RHODODENDRONS

Large clumps, 2 to 6 feet high, finest stock of hardy forest collected Rhododendrons in the United States, especially suited for planting on fancy lawns and large estates. Large orders especially solicited. Can furnish 100 car loads. Prices right. Also 200,000 extra fine Apple Trees very cheap. Fine stock of Plum, Pear, Peach, Cherry and Quince Trees, at reasonable prices. Full line of small fruits. We solicit your inquiry and order. Address

The Riverside Nurseries, Confluence, Pa.

Surplus Tree Seeds.

500 lbs. Catalpa Speciosa,

500 lbs. Black Locust.

Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

FOREST NURSERY AND SEED CO.,
IRVING COLLEGE, Warren Co., TENN.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

Please mention the American Florist when writing.



Send to **THE MOON Company**

For { Trees, Shrubs, Vines
Your } and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

Please mention the American Florist when writing.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The following are the scores made at Monday night's meeting:

Player.	1st	2nd	3rd	4th
Manda	142	182	168	119
Burns	154	167	136	138
Kessler	179	150	153	128
Lang	203	121	160	145
Fenrich	172	120	161	139
Siebrecht	147	156	130	...
Holt	148	122	115	133
Pepper .....	...	...	160	102

The Florists' Club bowling team played a return match with the Flatbush florists, at the Flatbush alleys, on Thursday evening, January 19. The Flatbush boys entertained the visitors at a course dinner served at the conclusion of the games. The following scores were made:

NEW YORK.

Player.	1st	2nd
Traendly	147	155
Kessler	197	155
A. S. Burns	176	115
Fenrich	139	195
Manda	158	152
Butterfield	128	160
Shaw	101	148
O'Mara	205	136
Holt	203	153
Totals	1454	1399

FLATBUSH.

Player.	1st	2nd
H. Dailledouze	129	127
Riley	166	136
Wocker	110	138
Scott	135	113
Zeller	130	138
Mellis	124	115
L. Schmutz	191	122
Siebrecht	158	158
P. Dailledouze	136	122
Totals	1279	1169

At Denver.

The florists of this city have organized a bowling league. There are four teams of four players each. The following are the results of the last games:

TEAM NO. 1.	1st	2d	3d
Brinkert	117	176	143
Reynolds	112	117	135
Valentine	99	149	165
N. A. Benson	157	183	168

Totals	485	625	611
TEAM NO. 2.	1st	2d	3d
Frazier	166	162	125
Kennedy	120	154	139
Bush	161	141	131
Scott	187	233	185

Totals	634	690	580
TEAM NO. 3.	1st	2d	3d
Berry	119	99	134
Kurth	116	179	136
Zimmer	146	135	133
Mahon	164	208	158

Totals	545	621	561
TEAM NO. 4.	1st	2d	3d
C. Benson	114	177	138
C. Mauff	147	159	117
Gillis	109	96	103
Glauber	143	153	166

Totals	513	585	524
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Baltimore.

TRADE IMPROVES.

With favoring weather there is a manifest improvement in trade, but the supplies of cut flowers hardly keep up with the daily requirements of the

stores under the increasing calls. Good stock is in fair and steady demand. There are numerous dinners, dances and other social events, which make a visible change for the better in trade conditions. At the Exchange on Saturday night nearly all stock was closed out, although the market had been rather flushed with shipments from Philadelphia houses, of carnations at abnormally low figures. Violets are in better supply; roses are improving; there is some good mignonette coming forward. Good American Beauty roses have been scarce, and when any quantity was wanted it had to be imported.

A VISIT TO WEBER'S.

On Saturday a party of six, Fred C. Bauer, John J. Perry, Henry Lehr, Thos. Stevenson, Albert G. Fiedler, and Chas. Sieck, took the night train to visit the establishment of Henry Weber & Sons, at Oakland, Md., returning early Monday morning, after a journey of nearly 500 miles. They were pretty well tired out, but gratified with their hospitable treatment, the novelties of the journey, and especially with the magnificent carnations of which their hosts make a specialty. The visitors were met by the Messrs. Weber in a driving snow, given a sleigh ride in the mountains, and an abundant and enjoyable dinner, and a musical treat by the Weber family, widely celebrated for their skill and taste in that line. They are enthusiastic over the new seedling My Maryland, of which a stock of some 40,000 plants has been accumulated.

On February 27 a carnation show will be held by the Gardeners' Club, when a large display from local growers is expected and some specimens of the new candidates for the favor of the trade. The exhibition will be free to the public. S. B.

The Art of Complaining.

An interesting and suggestive article under this heading by Ant. Rivoire appears in a continental contemporary which has, we think, lessons for all business men. He states that having recently listened to the conversation in a gathering of commercial men which turned on the many sins and shortcomings of the postal and railway departments he was led to remark: "I have no doubt, gentlemen, as to the truth of the facts alleged, but have you in each instance lodged complaints with the administration in question and been refused redress?" The unanimous response was, "No, what is the good? Nothing would be done."

We are led to think that things are pretty much the same here as abroad, men grumble and growl but are too lazy to sit down and write a formal complaint to the authority concerned. Every business man should consider it a part of his business to send a written statement of the facts of any case of damage, delay, or similar grievance by which his firm has suffered, to the proper authorities concerned. The statement should

give full dates and particulars, and while calling attention to the evil complained of, should do so in temperate terms. Verbal abuse of individual officials attached to the postoffice, railway, etc., is not only foolish but useless, as they are not bound to take any notice of it, while their regulations compel them to forward written complaints to headquarters, even against themselves.

So long as the governing officials of our great public organizations receive no complaints they are apt to go on serenely fancying that everything is going on as it should do, and it is due to them that they should at least be informed of any existing evils in their system and have a chance to remove them. Our advice to our readers is, when causes of complaint arise, write at once and state your grievance; if they happen daily write daily. If everyone did this, the most sluggish officials would, like the unjust judge, find it easier to move in the required direction than to sit still.—*Horticultural Advertiser.*

Our Advertising Columns Do Business.

AMERICAN FLORIST Co.:—Please discontinue my advertisement. I have gotten more customers than I can supply since advertising in your paper. JOHN WOLF.

CHRYSANTHEMUMS Rooted Cuttings Ready

of the five best commercial varieties. Propagate early and plant early and you will make no mistake, if you receive your stock early. Wm. Duckham, \$5.00 per 100; Dr. Enguehard, \$8.00 per 100; Alice Byron, Mrs. Coombes and Monrovia, \$2.00 per 100. Cash with order. Express paid on orders for \$5.00 or over.

GUNNAR TEILMANN, Marion, Ind.

Chrysanthemums Rooted Cuttings NOW READY.

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, F. A. Cobbald, Leila Filkins, \$3 per hundred.

Dr. Enguehard, \$4; Mrs. Thirkell, \$2. Send for complete list. No order filled less than \$1. W. A. CHALFANT, Springfield, Mo.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants. Leading standard varieties. Write for list of varieties and prices. Cash or satisfactory references. Address

Baur Floral Co., Erie, Pa.

ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

The Best White Carnation on the Market is

The Bride

Price, \$6 per 100; \$50 per 1000.

Also The New Light Pink Carnation

PHYLLIS

Price, \$12 per 100; \$100 per 1000.

You Can Always Rely On Our Stock Being First-Class.

JOHN N. MAY,

Summit, N. J.

\$500.00

WHEN we paid the above amount for the entire stock of two new seedling Asters (three and one-eighth ounces of seed) it was said to be **POOR BUSINESS JUDGMENT** to pay so high a price for an aster, unless it was something phenomenal.

We have given these two varieties careful culture for two years, and are satisfied that **OUR JUDGMENT WAS ABSOLUTELY CORRECT**; they are phenomenal, as all who have seen them will certify. We have named them

“Benthey’s White” AND “Benthey’s Pink”

and when we placed the cut blooms on the Chicago and St. Louis markets the past season, their popularity and success was immediately established. One of the most prominent Retail Florists of Chicago, says of them: “The best sellers we ever handled and sold at double the price of any other variety in the market.”

PHENOMENAL FOR SIZE, blooms are from three to five inches in diameter.

STEM, length varies from twenty-four to forty inches, with strength to hold the flower gracefully.

PRODUCING QUALITIES. They will produce more first-class salable flowers than any variety now in commerce.

FREEDOM FROM DISEASE. We have never grown or seen anything to compare with them in this respect.

The seed of these varieties can be had at the following prices:

Trade Package, White or Pink.....	\$1 00
1-4 Ounce, White or Pink.....	2 50
1-2 Ounce, White or Pink.....	4.50
1 Ounce, White or Pink.....	8.00

The **BENTHEY-COATSWORTH CO.**

WHOLESALE FLORISTS,

35 Randolph Street,

CHICAGO.

VICTORY

CARNATION

To be disseminated 1906, \$12 per 100; \$100 per 1000; 250 at 1000 rate.



TRUE and Brilliant Scarlet is what is demanded. See **VICTORY** and be convinced that it is the freest blooming Carnation in existence, never off crop, has grand stem and does not burst, no grass, every shoot comes to flower.

The best shipper and keeper ever introduced. Has demonstrated these qualities at St. Louis, Chicago, Boston and New York Flower Shows, where certificates of merit were awarded. A bread and butter Carnation in every sense of the word.

See **VICTORY** grow before you buy. Do not lose the present opportunity for securing the first stock.

Place Your Orders For Rooted Cuttings Of

	Per 100		Per 100
White Lawson.....	\$6.00	Goethe, light pink.	\$2.50
Nelson Fisher.....	6.00	Genevieve Lord....	2.50
Mrs. Patten.....	6.00	Manley.....	3.00
Enchantress.....	3.00	Maceo.....	1.50
Prosperity.....	3.00	Cervera, var.....	2.00
The Belle.....	6.00	Lawson.....	2.00
Lady Bountiful.....	6.00		
Harry Fenn.....	2.50		

Send your orders early.

Five per cent discount for cash with order.

GUTTMAN & WEBER,

LYNBROOK, L. I., N. Y.

Address All Correspondence to
52 West 29th Street, New York.

CARNATION CUTTINGS

Our Cuttings are Well Rooted and Taken from
Selected stock **CLEAN** and **HEALTHY**.

PRICE LIST:

	Per 100	Per 1000		Per 100	Per 1000
Lawson.....	\$1.50	\$12.50	Chicago.....	\$2.00	\$15.00
Guardian Angel.....	1.00	9.00	Adonis.....	2.50	20.00
Enchantress.....	3.00	25.00	Flora Hill.....	1.00	9.00
Morning Glory.....	1.50	12.50	White Cloud.....	1.25	10.00
Mrs. Higinbotham.....	1.25	10.00	Her Majesty.....	1.50	12.50
Estelle.....	1.50	12.50	Harlowarden.....	1.50	12.50

Orders Filled Promptly. Take Advantage of the Low
Prices and Order Now. * * * * *

WIETOR BROTHERS,

51 Wabash Avenue, CHICAGO.

The Prize-Winning

CARNATIONS

Can Be Seen Growing in Our

GREENHOUSES AT JOLIET.

You are cordially invited to inspect them.

We are not only HEADQUARTERS for but have the largest stock of the following varieties:

ROOTED CUTTINGS

	Per 100	1000
FIANCEE , clear pink.....	\$12.00	\$100.00
THE CARDINAL , scarlet.....	12.00	100.00
White Lawson	7.00	60.00
Lady Bountiful , white.....	6.00	50.00
Enchantress , flesh pink.....	4 00	30.00
Harlowarden , crimson.....	3 00	25.00
Dorothy Whitney , yellow variegated	4 00	30.00
Mrs. M. A. Patten , white variegated	5.00	40.00
Mrs. Thos. W. Lawson , dark pink	2.00	15 00

WATCH OUR ADV. IN NEXT ISSUE.

CHICAGO CARNATION CO., Joliet, Ill.

JAMES HARTSHORNE, Manager.

"MY MARYLAND"

The finest NEW WHITE for 1906. Awarded first-class CERTIFICATE OF MERIT by the American Carnation Society at Chicago.

Larger and freer than Lawson; extraordinary keeper. We are booking orders now.
Delivery January 1st, 1906. \$12.00 per 100; \$100.00 per 1000.

H. WEBER & SONS,

OAKLAND, MARYLAND.

The King of All Scarlet Carnations

ROBERT CRAIG (Ward)

Will Not Be Disseminated Till 1906. : : :
First Delivery Commencing December 1, 1905.

THE IDEAL CHRISTMAS CARNATION.

A Genuine Non-Bursting Scarlet Lawson.
JUST THE COLOR OF THE HOLLY BERRY.

Send your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspection variety does not prove satisfactory. PRICES: \$2.50 per doz; \$12 per 100; \$100 per 1000; 2,500 lots at \$95 per 1000; 5,000 lots at \$90 per 1000; 10,000 lots or more at \$80 per 1000.

C. W. WARD, COTTAGE GARDENS CO. Inc., Queens, N. Y.
Originator.

Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE.
American Carnation Society, 92 points.
SPECIAL DIPLOMA.
American Institute of New York.
FIRST-CLASS CERTIFICATE OF MERIT.
Massachusetts Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
Pennsylvania Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
New York Florists' Club, 93 points.
CRAIG CUP for best undisseminated seedling.
Philadelphia.
C. HARTMAN KUHN SPECIAL PRIZE
for best undisseminated seedling. Philadelphia.
FIRST PRIZE best 100 scarlet.
Chicago.
FIRST PRIZE best 50 scarlet seedling.
Chicago.

RECEIVER'S SALE.

ROOTED CARNATION CUTTINGS.
Strong, Healthy Plants.

RED.	Per 100	1000
Manley.....	\$3.00	\$25.00
Mrs. Potter Palmer.....	1.25	10.00
Mrs. Inc.....	1.50	12.50
Flamingo.....	5.50	45.00
Harlowarden.....	1.40	12.50
Earle.....	1.25	10.00
America.....	2.00	15.00
LIGHT PINK.		
Enchantress.....	3.00	25.00
Mrs. Higginbotham.....	1.00	9.00
PINK.		
Mrs. Lawson.....	1.50	12.50
Mrs. Nelson.....	1.50	12.50
Guardian Angel.....	1.00	9.00
WHITE.		
White Cloud.....	1.50	12.50
Queen Louise.....	1.00	9.00
Flora Hill.....	1.00	9.00
VARIEGATED.		
Prosperity.....	1.50	12.50
Armazindy.....	1.00	9.00
Her Majesty.....	1.50	12.50
All plants strong and healthy. 10 per cent extra for black soil. 500 and 1000 rate.		

ROOTED ROSE CUTTINGS.

American Beauty.....	\$3.00	\$25.00
Liberty.....	3.00	25.00
Bridesmaid.....	1.50	12.50
Bride.....	1.50	12.50
Ivory.....	1.50	12.50
Golden Gate.....	1.50	12.50

All healthy cuttings in good condition.

Shipped promptly C. O. D. from greenhouses of M. CHAEL WINANDY.

E. C. DAY, Receiver,

1334 First National Bank Bldg., CHICAGO.

Please mention the American Florist when writing.

Carnations—Lawson, Prosperity, \$12.50 per 1000. Mrs. F. Joost, Q. Louise, \$10.00 per 1000. Ready now. Let us send you a sample of this stock. Quality is our hobby.

W. C. HILL FLORAL CO., Streator, Ill.

Please mention the American Florist when writing.

The John E. Haines Carnation

POSITIVELY THE BEST
SCARLET OUT.

Size 3 1/4-inch and over. To be disseminated in 1906.

Invitations for inspection of greenhouses are extended to all florists. Will gladly furnish sample flowers for exhibitions and club meetings on request.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

ESTABLISHED 1870.

PATTEN & COMPANY,

Carnation Specialists,

TEWKSBURY, MASS.

NOVELTIES and STANDARD VARIETIES.

Please mention the American Florist when writing.

The Greatest Scarlet Carnation
Ever Originated

Robert Craig

1906.

At Philadelphia.

Was first for the best 50 blooms any undisseminated seedling.

Winner of the CRAIG SILVER CUP for the best American Seedling, defeating Fiancee which places it at the head as being the best carnation extant.

At Chicago.

First for the best 100 blooms Scarlet.

First for the best 20 blooms Scarlet Seedlings.

PLACE YOUR ORDER NOW AND SECURE EARLY DELIVERY.

We Can Supply on Short Notice ROOTED CUTTINGS of the Following Varieties:

	Per 100	1000		Per 100	1000
NELSON FISHER.....	\$7.00	\$60.00	LIEUT. PEARY.....	\$12.00	\$100.00
MRS. M. A. PATTEN.....	6.00	50.00	ECLIPSE.....	12.00	100.00
ENCHANTRESS.....	4.00	30.00	CARDINAL.....	12.00	100.00
THE BELLE.....	6.00	50.00	RED LAWSON.....	10.00	75.00
OCTOROON.....	6.00	50.00	WHITE LAWSON.....	7.00	60.00
ETHEL WARD.....	6.00	50.00	FRED BURKL.....	12.00	100.00
LADY BOUNTIFUL.....	6.00	50.00	MRS. T. W. LAWSON.....	2.00	15.00
ESTELLE.....	3.00	25.00	BOSTON MARKET.....	3.00	20.00
MRS. E. A. NELSON.....	3.00	25.00	PROSPERITY.....	2.00	20.00
THE PRESIDENT.....	6.00	50.00	ADONIS.....	4.00	30.00
HARRY FENN.....	3.00	25.00	GOV. WOLCOTT.....	3.00	20.00

Our blooms are the BEST ON THE MARKET and we solicit your orders. We make a SPECIALTY of shipping blooms DIRECT to the retailer to all PARTS OF THE UNITED STATES. Our rooted cuttings are UNEQUALED and we ship to all parts of the World. You can prove every word we say by placing an order with us.

J. D. Thompson Carnation Co.

JOLIET, ILLINOIS.

60,000 Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. **NO BLIND** wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100		Per 100
BRIDE.....	\$10.00	GEN. MacARTHUR.....	\$12.00
BRIDESMAID.....	10.00	LIBERTY.....	12.00
LA DETROIT.....	12.00		

ROOTED CUTTINGS. Ready Now.

	Per 100		Per 100
BRIDE, BRIDESMAID.....	\$1.50	LIBERTY.....	\$2.50
CHATENAY.....	1.50	PERLE.....	2.50

CARNATIONS.

	Per 100		Per 100
GOV. WOLCOTT.....	\$2.00	FLAMINGO.....	\$5.00
WHITE CLOUD.....	2.00	CRUSADER.....	4.00
NORWAY.....	2.00	ESTELLE.....	3.00
LAWSON.....	2.00	AMERICA.....	2.00
MORNING GLORY.....	2.00	CRANE.....	2.00
JOOST.....	2.00	PROSPERITY.....	2.00
ENCHANTRESS.....	3.00	GAITY.....	2.00

ALL PLANTS SHIPPED FROM HINSDALE.

BASSETT & WASHBURN,

Greenhouses: HINSDALE, ILL.

Store: 76 Washington Ave., CHICAGO, ILL.

Red Sport

(OF MACEO)

This New "Bread and Butter" commercial brilliant "Crane" Red Carnation, now in its fourth year, has the hardy constitution of Gen. Maceo, with a stronger, heavier growth, longer and stiffer stem and larger flower.

Growing under the same conditions and in the same house with Flamingo and Estelle, it has produced four times as many flowers as the former and twice as many as the latter. The color is as good as Estelle and the bloom brings as much as does Estelle at its best. Every flower is of a uniform, brilliant red, perfectly double, with an ideal calyx; in fact, we have never seen a split one.

RED SPORT is perfectly healthy, an easy variety to grow, an early and continuous bloomer, throwing its heaviest outs around the Christmas holidays and during the winter months, when red is in demand.

RED SPORT will keep longer and travel farther than any other red carnation, and will prove a bonanza to growers doing a shipping business.

If the scarcity of reds in the market that now exists continues, **RED SPORT** will pay better to the square foot of bench room than any other variety of any color to date.

Every florist who has seen **RED SPORT** growing has placed an order for rooted cuttings, which tells the tale.

All our rooted cuttings are sold until after January 25. Orders filled in strict rotation from above date on.

Price, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, postpaid. \$6.00 per 100; \$50.00 per 1000, by express.

We guarantee cuttings to be well rooted and to arrive in good condition.

A. B. Davis & Son, Carnation Specialists
PURCELLVILLE, VA.

Nice Clean Stock

ROOTED CARNATION CUTTINGS.

CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Boston Market, White Cloud and Mme. F. Joost. Also unrooted of last two varieties. Prices upon application.

C. G. VELIE & SON, Marlborough, N. Y.
Valley View Greenhouses.

Rooted CARNATION CUTTINGS

...NOW READY...

WHITE.	Per 100	1000	SCARLET.	Per 100	1000
Queen Louise.....	\$1.00	\$10.00	America.....	1.00	10.00
Flora Hill.....	1.00	10.00	Potter Palmer.....	1.00	10.00
Alba.....	1.40	12.50	Estelle.....	1.40	12.50
Gov. Wolcott.....	1.00	10.00	J H Manley.....	1.50	15.00
Norway.....	1.00	10.00	Apollo.....	1.50	15.00
Lillian Pond.....	1.40	12.50			
Chicot.....	1.20	10.00	CRIMSON.		
			Harlowarden.....	1.40	12.50
			Gov. Roosevelt.....	1.20	10.00
PINK.					
Mrs. Thos. Lawson.....	1.40	12.50	YELLOW.		
Enchantress.....	3.50	30.00	Golden Beauty.....	1.40	12.50
Mrs. Joost.....	1.00	10.00	Eldorado.....	1.00	10.00
Success.....	1.00	10.00			
Mermaid.....	1.00	10.00	VARIEGATED.		
Cressbrook.....	1.00	10.00	Prosperity.....	1.40	12.50
Pres. McKinley.....	1.40	12.50	Marshall Field.....	1.40	12.50
Mrs. Theo. Roosevelt.....	1.40	12.50	Stella.....	1.40	12.50
			Armszindy.....	1.00	10.00
SCARLET.			Viola Allen.....	1.20	11.00
G. H. Crane.....	1.00	10.00	Gaiety.....	1.20	11.00

Special prices on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Rooted Carnation Cuttings

—All Orders Filled in Rotation.—

	Per 100
Mrs. M. A. Patten..... variegated.....	\$6.00
White Lawson.....	5.00
Flamingo..... scarlet.....	6.00
Albastross..... white.....	5.40
Enchantress.....	3.00
Queen..... white.....	2.50
Boston Market..... white.....	3.00
Queen Louise, Lawson.....	2.00
J. H. Manley..... scarlet.....	2.00
Challenger..... scarlet.....	2.00

Write for Prices on Large Lots. 5 Per Cent Discount for Cash with Order.

Jas. D. Cockcroft, NORTHPORT,
L. I., N. Y.
Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	4.00	30.00
H. FENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

CARNATIONS

Novelties of the Season.

VARIEGATED LAWSON.

This variety, introduced by us this season, is sure to meet with popular favor. It is a sport from Mrs. Thos. W. Lawson, pure ivory white, with delicate carmine pencillings. Mr. W. N. Craig, an authority on everything pertaining to horticulture, states that he believes this will outbloom the favorite Mrs. M. A. Patten two to one. For some reason or other, the stem seems to be longer than that of Mrs. Thos. W. Lawson, and the flowers are less inclined to burst. It is a beautiful variegated variety, and one that is sure to be in demand on account of its delicate pencillings. It is superb in every respect. Our exclusive purchase of this variety has created a sensation in the daily press of the country. \$12.00 per 100; \$100.00 per 1000.

FIANCEE.

The queen of pink carnations. In a class by itself. Magnificent flowers. Strictly fancy in every respect. \$12.00 per 100; \$100.00 per 1000.

CARDINAL.

Bright cardinal, or crimson-scarlet. \$12.00 per 100; \$100.00 per 1000.

FRED BURKI.

Recommended as an extra free-blooming white variety and a claimant for popular favor. \$12.00 per 100; \$100.00 per 1000.

The Best of Last Season's Novelties and Older Standard Sorts.

WHITE LAWSON.

We consider this variety, which we introduced last season, the finest white carnation ever sent out. It has given great satisfaction. When left on the plants until fully developed, the flowers are much larger than Mrs. Thos. W. Lawson. Nothing excels it for freedom of bloom, fine keeping qualities, and general all-around value. We believe that this will occupy among white carnations the same place that Mrs. Thos. W. Lawson does among pinks. Remember that we are headquarters for it. Splendid stock ready for immediate delivery. \$7.00 per 100; \$60.00 per 1000.

DAHEIM.

A fine crimson introduced by us last year, with the style and habit of Mrs. Thos. W. Lawson; might be called a Crimson Lawson, as it has all the characteristics of that variety as far as freedom of flowering, habit of growth, etc., are concerned. It has grand, stiff stems, calyx never bursts, and it is a free and abundant bloomer, developing very quickly. We believe this to be the best all-around crimson carnation. \$6.00 per 100; \$50.00 per 1000.

LADY BOUNTIFUL.

A magnificent white of last season's introduction. \$6.00 per 100; \$50.00 per 1000.

ENCHANTRESS.

This magnificent carnation is unequalled for size, beautiful color—light, silvery pink—and freedom of bloom. It brings the very highest market prices and is in great demand. \$4.00 per 100; \$35.00 per 1000.

MRS. M. A. PATTEN.

This grand variegated carnation has given splendid satisfaction. \$6.00 per 100; \$50.00 per 1000.

MRS. THOS. W. LAWSON.

The standard dark pink. \$3.00 per 100; \$25.00 per 1000.

PROSPERITY.

A magnificent fancy sort, entirely distinct from others. A sterling variety. \$3.00 per 100; \$25.00 per 1000.

We are also pleased to announce that we have been appointed distributing agent for the sale of

VICTORY

and that all orders for this variety should be sent direct to us. We are now prepared to book orders for this variety for delivery spring, 1906. We have watched this carnation for some time, and believe that it is the best scarlet ever offered, with good stems, flowers of the largest size; a magnificent keeper and shipper and an exceedingly free and early bloomer. While the flowers of this variety are of the largest size, and it will rank in the fancy class, its freedom of bloom and general good qualities will make it a bread-and-butter scarlet. There is a great demand for a good scarlet at the holiday time, and the flowers of this variety brought 25 cents each last Christmas, which is an indication of its popularity. Strong rooted cuttings, delivery next season, \$12.00 per 100; \$100.00 per 1000.

F. R. Pierson Co.

Tarrytown-on-Hudson, New York.

Rooted Carnation Cuttings.

PINK		Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00	
Fair Maid.....	2.50	20.00	
Alpine Glow.....	2.50	20.00	
Lawson.....	2.00	15.00	
Nelson.....	2.00	15.00	
WHITE			
Queen.....	2.50	20.00	
Queen Louise.....	2.00	15.00	
Boston Market.....	2.50	20.00	
Marion.....	2.00	15.00	
RED			
Flamingo.....	6.00		
Crusader.....	6.00		
Crane.....	2.00	15.00	
Mrs. Patten.....	6.00		
Prosperity.....	2.50	20.00	
Harlowarden.....	3.00	25.00	

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.
1217 Arch St., PHILADELPHIA, PA.

Carnations

**Rooted Cuttings
Ready Now** except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000		Per 100	1000
CARDINAL, new scarlet.....	12.00	100.00	ESTELLE, scarlet.....	3.00	25.00
CRISIS, new scarlet.....	12.00	100.00	GENEVIEVE LORD, light pink.....	1.75	15.00
ECLIPSE, Dornier's pink.....	12.00	100.00	G. H. CRANE, scarlet.....	2.50	20.00
FIANCEE, new (Mar. 1).....	12.00	100.00	GOV. WOLCOTT, white.....	2.50	20.00
ALBATROSS, white.....	5.00	40.00	HARLOWARDEN crimson.....	2.50	20.00
CRUSADER red.....	5.00	40.00	INDIANA F. IS, pink.....	5.00	40.00
DO-OTHY WHITNEY, yellow.....	5.00	40.00	THE MAQUIS, pink.....	1.75	15.00
DAHEIM, crimson (Feb. 1).....	6.00	50.00	MRS. LAWSON Deep pink.....	3.00	25.00
RED LAWSON, new red.....	10.00	75.00	MRS. JOOST, pink.....	1.75	15.00
WHITE SWAN, new white.....	10.00	80.00	MORNING GLORY, light pink.....	2.00	18.00
RICHMOND GEM, new scarlet.....	10.00	75.00	PROSPERITY, fancy.....	3.00	25.00
EN HANTRESS, light pink.....	4.00	30.00	WHITE CLOUD, white.....	1.75	15.00
FLAMINGO, scarlet.....	6.00	50.00	QUEEN LOUISE, white.....	1.75	15.00
MRS. PATTEN, variegated.....	6.00	50.00	BOSTON MARKET, white.....	3.00	25.00
NELSON F. HER, deep pink.....	6.00	50.00	AMERICA, red.....	1.75	15.00
THE BELLE, white.....	6.00	50.00	FLORA HILL, white.....	1.75	15.00
VESPER, white.....	5.00	40.00			

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Carnations Rooted Cuttings.

FINE HEALTHY STOCK.		Per 100	Per 1000
ENCHANTRESS.....	\$3.50	\$30.00	
QUEEN.....	2.50	20.00	
LAWSON.....	2.00	15.00	
QUEEN LOUISE.....	2.00	15.00	
WALCOTT.....	2.00	15.00	
FLORIANA.....	1.50	12.50	
LORD.....	1.25	10.00	
FIANCEE.....	12.00	100.00	

ROBERT C. PYE, Nyack, N. Y.

ROOTED Carnation Cuttings.

	Per 100	1000
WHITE LAWSON.....	\$6.00	\$50.00
FLAMINGO.....	6.00	50.00
ENCHANTRESS.....	3.50	30.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries,
LARCHMONT, N. Y.

White Lawson

Has proven itself to be the coming white, not only in its productiveness, but in its keeping qualities.

Its flowers demand a price equal to Pink Lawson; they simply are running mates. We have a large stock, but it will not last, as the demand is great.

Our stock is healthy, clean and well rooted. \$7.00 per 100; \$60.00 per 1000.

Send list of other varieties and let us quote prices.

WATCH OUR ADVS.

WOOD BROS, Fishkill, N. Y.

500,000 VERBENAS 60 Varieties.

THE LARGEST AND FINEST STOCK IN THE COUNTRY.

Perfectly Healthy. No Rust.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2 1/4-inch pots.....\$2.50 per 10; \$20.00 per 100

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. . . .

CRISIS, New Commercial Scarlet.....\$12.00 per 100; \$100.00 per 1000.		Per 100	Per 1000
Mrs. Patten.....	\$6.00		
Judge Hinadale.....	4.00		
Lady Bountiful.....	5.00		
Flamingo.....	6.00		
Dorothy Whitney.....	3.00		
Gibson Beauty.....	3.00		
Buttercup.....	3.00		
Prosperity.....	2.00		
Mrs. J. H. Manley.....	2.50		
Per 100 Per 1000			
Wm. Scott.....	\$1.25	\$10.00	
Floriana.....	1.25	10.00	
Lorna.....	1.25	10.00	
Eldorado.....	1.25	10.00	
Mrs. Joest.....	1.25	10.00	
Per 100 Per 1000			
Enchantress.....	\$3.00	\$25.00	
Mrs. Lawson.....	2.00	15.00	
Adonis.....	2.50	20.00	
Harry Fenn.....	2.00	15.00	
Gov. Roosevelt.....	1.50	12.00	
Mrs. Potter Palmer.....	1.25	10.00	
The Queen.....	2.50	20.00	
Mrs. E. A. Nelson.....	1.50	12.00	
White Cloud.....	1.50	12.00	
Per 100 Per 1000			
Flora Hill.....	1.25	10.00	
Portia.....	1.25	10.00	
Queen Louise.....	1.25	10.00	
Dorothy.....	1.25	10.00	

60,000 GRAFTED ROSES For Forcing.

THE FINEST CROWN. Orders booked for delivery in April, May and June. **LIBERTY**, rose pots \$12.00 per 100; 3 1/4-inch pots, \$18.00 per 100. **BLOIS, GLOESWILLOES, GOLDEN GATES, KAISERS**, rose pots \$10.00 per 100; 3 1/4-inch pots, \$15.00 per 100. SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

NEW CARNATION William Penn

A seedling of Scott and McGowan. A very pleasing, salable shade of pink. Free and continuous bloomer, good habit, and should be planted by every grower, who uses his own flowers, because there are always plenty to use. I have grown it for five years and it has given me more good salable flowers per square foot than any other variety I ever grew.

Price per 100, \$10.00; 25 at 100 rates. Price per 1000 \$75.00; 250 at 1000 rates.

FRANK L. KOHR, Lancaster, Pa.

—R. F. D. No. 3—

ROOTED CARNATION CUTTINGS.

—NOW READY—

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Albatross
The above at \$5 per 100; \$40 per 1000.	
The following at \$3 per 100; \$25 per 1000:	
Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

Always mention the American Florist when you order stock.*

PETER REINBERG

LARGEST GROWER IN THE WORLD.

(1,000,000 FEET OF GLASS.)

CARNATIONS

ROOTED CUTTINGS. Clean, strong and healthy.

WHITE.		Per 100	Per 1000	SCARLET.		Per 100	Per 1000	PINK.		Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00		Richmond Gem.....	\$10.00	\$75.00		Nelson.....	\$ 1.50	\$11.50	
Lady Bountiful.....	5.00	45.00		Crusader.....	5.00	45.00		Enchantress.....	3.00	25.00	
Boston Market.....	2.50	20.00		Adonis.....	2.50	20.00		Lawson.....	1.50	12.50	
The Belle.....	5.00	45.00		Estelle.....	1.50	12.50		Morning Glory.....	1.50	12.50	
Flora Hill.....	1.00	9.00		Indianapolis.....	5.00	45.00		Joost.....	1.00	9.00	
Queen Louise.....	1.00	9.00		PINK.		Per 100	Per 1000	Higinbotham.....	1.00	9.00	
Peru.....	1.00	9.00		Phyllis.....	\$10.00	\$120.00		Guardian Angel.....	1.00	9.00	

ROSES

Rooted Cuttings. The Best.

		Per 100	Per 1000			Per 100	Per 1000			Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00		Bridesmaid.....	\$1.50	\$12.50		Ivory.....	\$1.50	\$12.50	
Uncle John.....	2.50	20.00		Bride.....	1.50	12.50		Perle.....	1.50	12.50	

2½-inch pot plants.

		Per 100	Per 1000			Per 100	Per 1000			Per 100	Per 1000
Richmond.....	\$30.00	\$250.00		Liberty.....	\$ 5.00	\$45.00		Bridesmaid.....	\$ 3.00	\$25.00	
Rosalind Orr English.....	25.00	200.00		La Detroit.....	6.00	45.00		Bride.....	3.00	25.00	
Chatenay.....	4.00	30.00		Uncle John.....	4.00	35.00		Ivory.....	3.00	25.00	
Sourise.....	4.00	30.00		Kaiserin.....	4.00	30.00		Perle.....	3.00	25.00	
Perle von Godesberg.....	5.00	40.00									

ALL PLANTS AND CUTTINGS SOLD UNDER THE EXPRESS CONDITION THAT IF NOT SATISFACTORY
THEY ARE TO BE RETURNED WHEN MONEY WILL BE REFUNDED.

Peter Reinberg,

51 Wabash Avenue, CHICAGO.

ROOTED CUTTINGS.

Fine Clean, Healthy Stock.

ROSES.

	Per 100	Per 1000
AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.20
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

RED	Per 100	Per 1000
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	1.50	12.50
INE.....	1.50	12.50

PINK		
NELSON FISHER.....	6.50	55.00
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.40	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00

LIGHT PINK		
HIGHBOTHAM.....	1.00	9.00
GIBSON BEAUTY.....	12.00	100.00

WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.50	12.50
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Carnation Rooted Cuttings.

NOW READY.	Per 100	1000
QUEEN LOUISE, fine white.....	\$1.00	\$10.00
AMERICA, red.....	1.00	10.00
MRS. POTTER PALMER, big scarlet.....	1.00	10.00
G. H. CRANE, scarlet.....	1.00	10.00
ELDORADO, yellow.....	1.20	10.00
MARSHALL FIELD, barred.....	1.40	12.00
ARMAZINDY, barred.....	1.00	10.00
MRS. JOOST, pink.....	1.00	10.00
LAWSON, pink.....	1.40	12.50
PRES. MCKINLEY, pink.....	1.40	12.50
SUCCESS, light pink.....	1.00	10.00
HARLOWARDEN, crimson.....	1.40	12.50
GOV. ROOSEVELT, crimson.....	1.20	10.00

UNROOTED CUTTINGS HALF PRICE.

TERMS: Cash with order or C. O. D. with privilege of examination. Express prepaid at above prices. All plants warranted true to name and well-rooted.

HERMITAGE CARNATION CO., Loomis, Cal.

Carnation Cuttings

THOROUGHLY ROOTED.

BOSTON MARKET, ENCHANTRESS, MRS. LAWSON, PROSPERITY, \$3.00 per 100; \$25.00 per 1000. Note! We don't quote ridiculously low prices. We simply state that we ship you the best cuttings at the least possible prices.

WEILAND & RISCH,

Leading Western Wholesale Growers and Shippers of Cut Flowers.

59 Wabash Ave., Chicago.

Please mention the American Florist when writing.

UNROOTED

CARNATION CUTTINGS.

The following at \$3 per 100; \$25 per 1000

White Lawson	M. A. Petten
Flamingo	Nelson Fisher
Lady Bountiful	Crusader

The following at \$2 per 100; \$15 per 1000

Enchantress	The Queen
Boatman Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

Please mention the American Florist when writing.

THE NEW ROSE Wellesley

Is a Welcome Addition to the List of FORCING ROSES. Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

Own Root.	per 100	per 250	per 500	per 1000
\$ 25.....				
\$ 55.....				
\$100.....				
\$200.....				

PRICES:

Grafted.

\$ 30.....	per 100
\$ 70.....	per 250
\$130.....	per 500
\$250.....	per 1000

**WABAN ROSE CONSERVATORIES,
NATICK, MASS.**

JOHN N. MAY, Summit, N. J.

200,000 ROOTED

Carnations

NOW READY.

White	Per 100	Per 1000	Pink	Per 100	Per 1000
Queen Louise.....	\$1.00	\$10.00	Cressbrook.....	1.00	10.00
Flora Hill.....	1.00	10.00	Scarlet		
Gov. Wolcott.....	1.00	10.00	Crane.....	1.00	10.00
White Cloud.....	1.00	10.00	America.....	1.00	10.00
Alba.....	2.00	15.00	Estelle.....	1.40	12.50
Pink			Crimson		
Lawson.....	1.20	12.50	Harlowarden.....	1.40	12.50
Marquis.....	1.00	10.00	Variegated		
Enchantress.....	3.50	30.00	Prosperity.....	1.40	12.50
Mrs. Joost.....	1.00	10.00	Marshall Field.....	1.40	12.50
McKinley.....	1.40	12.50	Armazindy.....	1.00	10.00
Mermaid.....	1.00	10.00	Viola Allee.....	1.20	11.00

100,000 Pansy Plants, at \$10.00 per Thousand.

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.

Loomis Carnation Co.

Lock Box 115, LOOMIS, CAL.

Don't Forget

That we are still booking orders for * * *

CRISIS

THE GREAT COMMERCIAL SCARLET CARNATION.

\$12.00 per 100; \$100.00 per 1000.

DAVIS BROS. CO.,

Bloomsburg, Pa.

CARNATIONS.

Rooted Cuttings Now Ready.

ECLIPSE Our 1905 introduction. A pink carnation, lighter in color than Lawson and of a more even and bright shade of pink. No objectionable shadings or bleedings. A strong, free growth, large flowers on long stiff stems and early and continuous flowering.

FIANCEE A most pleasing shade of medium pink. No carnation has ever equalled number of awards received by this variety.

CARDINAL—Brilliant scarlet. A great improvement over Estelle.

FRED BURKI—Pure white.

—The above four varieties, \$12.00 per 100; \$100.00 per 1000—

RICHMOND GEM—Scarlet. \$10.00 per 100; \$75.00 per 1000.

LADY BOUNTIFUL AND THE BELLE

The two best commercial white carnations of the present day. Both have received honors over competitors at the fall exhibitions. We have large stocks of these two varieties which are already in great demand. Do not delay in placing your order for early delivery. \$6.00 per 100; \$50.00 per 1000; \$112.50 per 2500.

WHITE LAWSON—\$7.00 per 100; \$60.00 per 1000.

FLAMINGO, NELSON FISHER and MRS. M. A. PATTEN, \$6.00 per 100; \$50.00 per 1000.

CRUSADER, INDIANAPOLIS, JUDGE HINSDALE and THE PRESIDENT, \$5.00 per 100; \$40.00 per 1000.

ENCHANTRESS, \$3.00 per 100; \$25.00 per 1000.

In addition to the above we can supply twenty-five of the best standard sorts, varieties that are profitable to grow.

Our preliminary Price List will be sent upon application. We are pioneers in the carnation line and our facilities for rooting and handling cuttings are nearly perfect, due to our long experience.

F. DORNER & SONS CO., La Fayette, Ind.

FRED BURKI

IS THE IDEAL

Commercial White Carnation

Its freedom of bloom, coupled with its other meritorious qualities, will commend it to the most conservative growers. You will make no mistake by growing Fred Burki.

\$12 per 100; \$100 per 1000. 250 at 1000 rates.

—WRITE FOR DESCRIPTIVE CIRCULAR.—

JOHN MURCHIE,
Sharon, Pa.

S. S. SKIDELSKY,
B24 No. 24th St., Philadelphia.

Carnation Cuttings.

	Per 100	Per 1000
ENCHANTRESS	\$3.50	\$30.00
FAIR MAID	2.50	20.00
QUEEN	3.00	25.00
QUEEN LOUISE	2.00	15.00
LAWSON	2.50	20.00
GRESSBROOK	2.00	15.00
CHALLENGER	2.00	15.00
MACEO	2.00	15.00
HARRY FENN	3.00	25.00
PROSPERITY	2.50	20.00
G. M. BRADT	3.00	25.00
FIANCEE	12.00	100.00

C. WARBURTON,
FALL RIVER, MASS.

Roses for Spring Blooming.

The proper sorts. Clothilde, Souper, General Cacqueimot, Ulrich Brunner, La France, Magna Jharta, Crimson Rambler, etc.; fine field-grown plants that have never been forced, suitable for 5-inch pots. at 7c; larger for 6-in., at 12c. Crimson Rambler, XXX, long tops, 20c. Large-flowered Clematis, finest purple, lavender, white and red sorts—2-year at 18c; 1-year, at 9c. Hydrangea pan. grand., fine bushy plants, 8c. Other shrubs, etc., in cellar, priced on application. Packing free for cash. **W. H. SALTER, Rochester, N. Y.**

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226,
Kennett Square, Phila.

CARNATIONS Flora Hill and Joost,
2-in. pots, \$1.25 per 100.

ROSES Ivory and Golden Gate, 2½-inch,
pots, \$1.50 per 100.

H. ROSSITER,

200 Lexington Ave., JERSEY CITY, N. J.

HAVE YOU NOTICED

That our name is associated with only the BEST IN NOVELTIES, especially

Chrysanthemums?

If so it will be To Your Interest to Invest in all or part of the following Sterling Introductions of the year. They will lead in Future Collections.

CHRYSANTHEMUMS PINK QUEEN, BRIGHTHURST, KINKORA, OKOLONA and FIDELITY. Also The Best from other raisers in this country and abroad.

CARNATIONS Earliest delivery in the Leaders, such as FIANCEE, FRED BURKI, CHICAGO WHITE, PHYLLIS, THE CARDINAL and ECLIPSE, \$2.50 per doz.; \$12.00 per 100. RICHMOND GEM, RED LAWSON and WM. PENN., \$2.00 per doz.; \$10.00 per 100.

GERANIUMS OROSA, the Double MRS. HILL and SNOW QUEEN, the best single White Bedder, \$2.00 per doz.; \$15.00 per 100. Ready Now.

BEGONIA REX Seven Distinct and Beautiful varieties introduced by us.

CANNAS THE EXPRESS, the best Dwarf Crimson Bedder, awarded Gold Medal at World's Fair. Buy now and increase stock. \$1.00 per doz.; \$6.00 per 100, dormant or started.

Our Catalogue for 1905 Describes All.

NATHAN SMITH & SON, Adrian, Mich.

CRISIS

This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Gold Medal Winner

AT ST. LOUIS

Did You See Exhibited at St. Louis the
NEW CRIMSON RED CANNA

Mrs. Wm. F. Kasting?

Height, 3 1-2 feet. Most brilliant in color, most prolific of all Red Cannas. Blooms all the time, and is exceptionally fine for conservatory decorations. You will need it in your business. AWARDED ON ITS MERITS, A GOLD MEDAL AT THE WORLD'S FAIR, 1904.

PRICES for bulbs, ready for delivery now: \$1.00 each; \$9.00 per doz.; \$50.00 per hundred. Stock limited.

WM. F. KASTING, 383.387 Ellicott Street,
BUFFALO, N. Y.

\$10 per 100 \$40 per 500 \$75 per 1000	Red Lawson will Bloom 3 to 1 against any other RED Carnation on the market	\$10 per 100 \$40 per 500 \$75 per 1000
8000 BLOOMS Cut and sold Xmas Week at \$1.50 per doz.	<i>Palmer's</i> RED LAWSON	8000 BLOOMS Cut and Sold Xmas Week at \$1.50 per doz.
\$10 per 100 \$40 per 500 \$75 per 1000	50,000 Cuttings Sold and not a word of complaint FINE, STRONG, HEALTHY CUTTINGS	\$10 per 100 \$40 per 500 \$75 per 1000
<p>W. J. PALMER & SON, Lancaster, N. Y. Western Springs, Ill., January 10, 1905. Gentlemen:—Carnations, Red Lawson, received in first-class condition from you. I must compliment you on the fine rooted cuttings that you sent out. It is a pleasure to receive stock of this kind. Yours truly, VAUGHAN'S SEED STORE, per J. S. Wilson.</p>		
W. J. PALMER & SON, Lancaster, N. Y.		

Adiantum Croweanum



The New Maidenhair Fern, stands squarely and strictly on its merits. ❀ ❀ ❀ ❀ ❀

Its sterling values considered, the selling prices of Adiantum Croweanum, as here given, are unusually low:.....

Strong Plants, from 3-inch pots, \$2.50 per dozen; \$15.00 per 100; \$125 per 1000. 25 plants at 100 rates. 250 at 1000 rates. \$100 per 1000 in 5,000 lots.

W. F. KASTING,
Sole Distributor,
383-87 Ellicott St., BUFFALO, N. Y.

The George Wittbold Company,

1657-1659 Buckingham Place, **CHICAGO.**

Leading Plant Growers of the West.

We need not tell you about our service—**THAT IS KNOWN.** Just at this time we are especially strong on the following. All stock is unexcelled, clean, just the thing for winter and early spring sales.

	Size.	Height.	Leaves	Each.	Doz.
Kentia Belmoreana,	9	44-48	7-8	\$6.00	
Kentia Belmoreana,	10	46-50	7-8	7.50	
Latania Borbonica,	8	30-34	7-8	1.50	\$15.00
Phoenix Canariensis,	8	38-42	10-12	2.50	30.00
Araucaria Excelsa,	4	Tiers	2-3	.50	6.00
Araucaria Excelsa,	5	Tiers	3-4	1.00	9.00
Araucaria Excelsa,	6	Tiers	4-5	1.25	15.00
Pandanus Utilis,	5				5.00
Pandanus Utilis,	6				9.00

And all other sizes.

Our stock comprises Kentias, Latanias, Phoenixes, Ficuses, Araucarias, Cocoses, Pandanus, Nephrolepis, Cibotiums, Adiantums, Dracenas, Asparagus, Crotons, Cycas, Bay Trees, Etc. Etc.

Shipping Location and Facilities Insure Perfect Delivery.

Columbus, O.

An interesting meeting was held at the Florists' Club rooms last Tuesday. Besides instructive talk there was entertainment by some of the club's talented members. Paul Mohre, who as a Dutch comedian has no equal off the stage, kept the large crowd in a roar of laughter. Mr. Ludwig amused the audience with his talk on the musical wife. Messrs. Emler and Cramer had negro roles. Buehler's quartette rendered the music. Carl Knopf and John Ross gave piano and cornet solos. The club decided to meet every two weeks instead of once each month as heretofore.

While business is not quite as brisk as it was a few weeks ago we consider the season well up to that of former years. We are having an unusual amount of sunshine which is telling on the crop of carnations and roses.

This city has appointed a new park commission composed of business men whose duty it shall be to make plans for additional parks, driveways and boulevards. CARL.

DAVENPORT, IA.—Otto J. Klingbiel was adjudicated bankrupt in the United States court on January 21. A meeting of the creditors will take place January 31 at 10:00 a. m. at Davenport.

Cyclamen Once transplanted, ready March 1. Seed taken from only the choicest stock—nothing better. \$2.00 per 100; \$18.00 per 1000.

C. WINTERICH, Defiance, O.

GERANIUMS.

ROOTED CUTTINGS.

Fifteen varieties at \$10.00 and \$12.50 per 1000. Send for complete price list of GERANIUMS and CARNATIONS.

ALBERT M. HERR, Lancaster, Pa.

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS, In bud and bloom, from 5-inch pots. \$2.50 per doz.; \$20.00 per 100. **PRIMI LA CHINENSIS** and **OBSCURA GRANIFLORA**, In bud and bloom from 4-inch pots, \$7.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

IT WILL PAY YOU.

Tuberous Begonias planted now will make excellent spring bedding plants. We will mail collections for \$1.00, \$2.00 or \$3.00 in single and double, separate colors or mixed. SEND NOW.

HUBERT & CO.,

N. LE PAGE, REP.,

MT. VERNON, N. Y.

The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

WM. PENN

READY NOW.

NO WAITING.

A pleasing shade of pink, on a stiff, wiry stem. Growth clean and upright; no useless foliage. Flowers large enough for all ordinary purposes.

Will Produce More Flowers per Square Foot Than Any Carnation Now Grown.

Worth growing by the thousand but rather than have you miss trying it, I will mail free of charge 25 rooted cuttings for \$2.50; \$10.00 per 100; \$75.00 per 1000; 250 for \$ 8.75.

SEND FOR LIST OF OTHER VARIETIES.

Queen Louise and Lillian Pond, \$10.00 per 1000. Floriana and Harry Fenn, \$12.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.



Richmond Gem.

The finest commercial scarlet ever introduced. Place your order early. Send for circular.

Price, \$10.00 per 100; \$75.00 per 1000.

B. K. & B.
Floral Co.
RICHMOND, IND.

SPECIAL OFFER

Of Florists' Orchids.

We Want More Room for Large Importations.

Cypripedium Insigne, 5,000 established unflowered growths, \$8.00 per 100; \$75.00 per 1000.

Cypripedium Callosum, 1,000 established unflowered growths, \$20.00 per 100.

Cypripedium Lawrenceanum, 1,500 established unflowered growths \$25.00 per 100.

Dendrobium Formosum Giganteum, The florists' white orchid, established plants, 8 to 10 bulbs, \$9.00 per 12; \$70.00 per 100.

Vanda Coerulea, The florists' blue orchid. A rare opportunity. Established plants, 10 to 12 leaves, \$15.00 per 12; 12 to 15 leaves, \$22.00 per 12.

All clean, healthy plants. For other quotations, see our catalogue, to be had from

Julius Roehrs' Exotic Nurseries,
Rutherford, N. J.

Pansies

liberal count. Primula, Obo. Grandif., pink shades mixed, in bloom, 2-in., 1½c. Alyssum, Giant double, 2c. Heliotrope, blue, 1½c. Fuchsia, 2c. Asp. Sprengeri, 2-in., 1½c. Plumosa Nanus, 1½-in., 1½c; 3-in., 4c. Rooted Cuttings, prepaid, per 100: Alyssum, Giant, 75c; Ageratum, Gurney, 50c; Alternanthera, best red and yellow, 45c; fall rooted, extra strong, 50c; \$4.50 per 1000 Fuchsia, 5 fine sorts, \$1.25. Giant Marg. Daisy, white, \$1.00. Rose Geranium, \$1.00.

—CASH.—

BYER FLORAL COMPANY Shippensburg, Pa.

Paris Daisies.

ASPARAGUS PLUMOSUS NANUS, Extra heavy, 2 in. 2c; 3-in. 4c.

ASP. SPRENCERI, 2-inch, \$1.75 per 100.

HARDY PINKS, large field-grown, 5 sorts, 5c.

UMBRELLA PLANTS 2-in. fine, 2½c.

PARIS DAISY, Giant 2-inch, 2½c.

ABUTILONS, 4 varieties, 2½-inch, 3c.

Rooted Cuttings, prepaid: **Heliotrope**, \$1 per 100.

Ageratum, Gurney, Pauline 50c per 100. **Salvia**, Splendens, Bonfire, 90c per 100. **Fuchsia**, 5 best

varieties, \$1.25 per 100. **Hardy Pinks**, 7 varieties, some everblooming, 75c per 100; \$7.00 per 1000.

Dbi. Petunias, 10 finest, \$1.00 per 100.

Rex Begonias, 15 sorts, \$1.10 per 100. **Alternanthera** 2 reds, yellow, \$5.00 per 1000.

Verbena, 75 per 100. **Swainsona Alba**, 75c per 100.

Tradescantia, 2 kinds, 75c per 100. **Everblooming Forget-me-nots**, \$1.00 per 100.

Artillery Plant, 75c per 100.

—CASH—

BYER BROS., Chambersburg, Pa.

CANNAS

STRONG EYES.

	Per 100	Per 1000
2,500 Chas. Henderson	\$2.00	\$18.00
1,000 F. Vaughan	2.00	18.00
1,000 Mme. Crozy	2.00	18.00
2,000 Austria	1.50	14.00

Carnations 300 Flamingo, 300 Lady Bountiful, 500 Indianapolis, at \$5.00 per 100, or will exchange for Nelson Fisher.

FURROW BROS., Guthrie, Okla.

Please mention the American Florist when writing.

OUR SPECIALTIES:

"Superior Quality" Brand Wild
Smilax, always on Hand.

XX Fancy Hudson River Violets.

A DAILY CUT FROM 40 to 60
GROWERS.

We Can and Will Fill Cut Flower
Wants to Advantage.

The Most
Complete Line of

**Florists'
Supplies**

In the West.

"Perfect Shape" Brand
Wirework, Etc.

Our growers have "kept in line" on the better new sorts of **CARNATIONS** and as a result we are now able to supply blooms that will stand distance shipping and be "worth while" after you get them. Also our line of **ROSES**, both Teas and Beauties was never better. **Hudson River VIOLETS** are a specialty with us, and we are getting in some quantities of this flower that can be termed XX Fancy.

If a buyer of Flowers of any kind, Greens, etc., we can and will make it an object for you to send us your commands.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Cannas

I have over 40,000 Cannas in first-class plump condition, True to Name. Will sell them at the following low price for 30 days only from this date; 5 per cent discount for cash with order. Beaute Poitevine, Capt. Drugan, David Harum, Duke of Marlborough, Defender, Florence Vaughan, Francis Billard, Gloire Lyonesse, J. D. Eisle, Kate Souv. de Ant. Crozy. The above \$2.00 per 100; \$18.00 per 1000. Niagara, \$3.00 per 100. Pres' Vigar, \$4.00 per 100. Black Beauty, \$8.00 per 100. Egandale, \$3.00 per 100.

Carnations

I offer nothing but first-class healthy cuttings well rooted. Cardinal, \$12 per 100 Boston Market, Enchantress, \$3 per 100. Peru, White Cloud, Q. Louise, Floriana, \$1.50 per 100. T. W. Lawson, \$2 per 100.

W. W. COLES, Maple Hill Rose Farm, Kokomo, Ind.

Please mention the American Florist when writing.

FOR YOUR WANTS

ROSES, BOSTON, PIERSONI and
SCOTTII FERNS, ASPARAGUS PLU-
MOSUS and SPRENGERI, CARNA-
TIONS, CHRYSANTHEMUMS and
MISCELLANEOUS STOCK, Write

GEO. A. KUHL, Pekin, Ill.

Grower For the Trade.

Bedding Plants.**CASH WITH ORDER.**

	Per 1000	Per 100— 2 1/4-in. R. C. Exp. Mail
50,000 Alternantheras, red, yellow, \$ 5	\$15.00	\$.65
Alyssum, double sweet.....	2.00	1.00
Boston Ferns, 5-inch, 25c each..	3.00	
Fev rlew, Little Gem.....\$15	2.00	1.25
Fuchsia 8 named varieties.....	2.50	1.50
25,000 Geraniums, Nutt and 20 other varieties.....	2.50	1.50
15,000 Geraniums, Mme. Sallerol ,	2.00	1.00
Peunias, double fringed, white	2.50	1.50
Pansies, Florists' International, in bud and bloom, for south- ern shipment.....\$15		2.00
Salvia, 4 named varieties.....	2.00	1.00
Forget-me-nots.....	2.00	1.00

LUDVIG MOSBAEK, Onarga, Ill.

COLEUS**ROOTED CUTTINGS**

Verachaffeltii, Fire Brand, Golden Queen, Beck-
with's Gem, Lord Palmerston, Queen Victoria
and Paocies, 60c per 100; \$5.00 per 1000.
Golden Hedder (original) and Hero 75c per 100;
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on 10,000 or more Coleus. More liberal discount
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Vesper.....	\$5.00		Nelson Fisher..	\$6.00		Harlowarden...	\$2.50	\$20.00
Queen.....	2.50	\$20.00	Ethel Ward....	4.00		Octoroon.....	4.00	
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\$5.00 per 100, Strong 2 1/4-inch pots.
The best of Maidenhair Ferns. Over
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The most graceful and symmetrical Nephrolepis known. It makes three times as many fronds as the Boston Fern in a given time. Prices, 6-inch pot-grown, ready for 8-inch, \$15.00 per doz.; 7-inch, pot-grown, \$24.00 per doz.; 8-inch, pot-grown, \$36.00 per doz.

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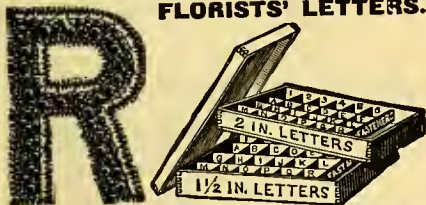
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Meetings of Florists' Clubs.

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Sec'y, 505 N. Eutaw street.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month, October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 383 Ellicott street. Second Tuesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Sec'y, W. Galena and Excelsior streets.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Thursday of each month, at 8 p. m. George Wienhoeber, Sec'y, 413 Elm street, Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. Murphy, Sec'y, Sta. F., Cincinnati, O.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Sec'y, West Park, O.

DAVENPORT, IA.—Tri-City Florists' Club, meets in Davenport, Rock Island and Moline, alternately, second Thursday of each month. H. Meyer, Rock Island, Ill., Sec'y.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Farran and Gratiot avenue. First and third Wednesday of each month at 8 p. m. J. F. Sullivan, Sec'y, 214 Woodward avenue.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Friday of each month at 8 p. m. W. W. Hunt, 80 Ann street, Hartford.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 7:30 p. m. Fred. Huckle, Indianapolis.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Red-stons, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month in Empire Building, West Water and Grand ave. H. V. Hunkel, Sec'y, 462 Milwaukee street.

MINNEAPOLIS, MINN.—Minneapolis Florists, Latham's Conservatory, 83 S. Tenth Street. First Friday of each month, at 8 p. m. R. A. Latham, Sec'y.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H. Horobin, Sec'y 23 Closse street.

NEW BEDFORD, MASS.—New Bedford Florists' club, second Thursday of each month. Wm. P. Pierce, Sec'y.

NEW LONDON, CONN.—Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldorn, Sec'y.

NEW YORK, N. Y.—New York Florists' Club, Grand Opera House Bldg., 8th avenue and 23d St. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska Florists' Society, City Hall. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y Wyndmoor, Philadelphia.

PITTSBURGH, PA.—Pittsburgh and Allegheny Florists' and Gardeners' Club, 422 Sixth Avenue. Second Thursday of each month, at 8 p. m. H. P. Joslin, Sec'y, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Wm. E. Chappell, Sec'y, 333 Branch avenue, Providence.

RICHMOND, IND.—Richmond Florists' Club, at the greenhouses of members. Third Monday of each month. H. C. Chessman, Sec'y.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Society, office of Huddart Floral Company, 214 E. Second South street. Second and fourth Friday of each month. P. T. Huddart, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No 2, Ninth and Olive streets. Second Thursday of each month, at 2 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

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The neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.

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Packed in small crates, easy to handle.

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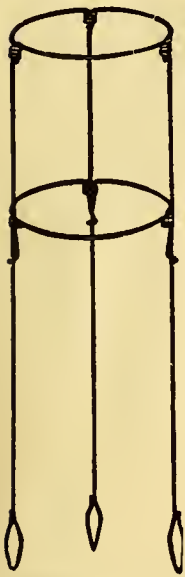
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RED STANDARD POTS. Price per 1000 f. o. b.
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GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

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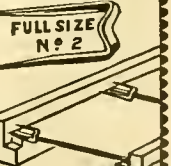
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Firmly**

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Glazing Putty is the best.
No rights or lefts. Box of
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HENRY A. DREER,
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The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Returning Water to Boiler.

ED. AM. FLORIST:—I enclose a rough plan of houses heated by steam, condensation being returned to boiler by low pressure steam pump in connection with float and automatic valve. The ground level of houses is 12 feet higher than boiler house floor or 15 feet higher than receiver pit. Could this water be returned by gravity? If so please state conditions, etc., requisite. Two other returns empty in same receiver but from houses practically on boiler level. Boilers are 18x60 feet, tubular and 100 H. P. each. Have never used a gravity system, but am told that should be able to do so. If the system could be applied, please favor me with general principles for application and oblige.

DOUBTFUL.

There should be no difficulty in running a system by gravity if no more than five pounds pressure are carried. If care is taken to maintain a steady pressure, good results will be secured. If the present receiver is arranged so that its top will be upon the same level as the top of the boiler, it will equalize the return of the water. The bottom of the receiver should then be connected with the bottom of the boiler and a check valve should be placed in the return pipe.

L. R. T.

Greenhouse Heating.

ED. AM. FLORIST:—I have a house 100 feet long, heated by hot water with two 2½-inch flows rising gradually from the boiler till they enter greenhouse about 30 feet distant. From here they rise to the other end of house then drop to the coils on each side, which consist of five 2-inch pipes in each coil. The circulation does not seem to be rapid enough. The lowest pipe is very slow, hardly ever getting warm at the end nearest the boiler. I think we have ample feed, a 2½-inch pipe to each coil. I am of the opinion that the alterations shown by the dotted lines in the enclosed sketch would improve matters, but want to be certain before making the change. You will notice that the flows rise to the far end of the house. I propose to make them fall. Also the return mains from the coils to boiler header are on a dead level, a distance of about thirty feet. I think I can give them nearly 10 inches fall. Would these changes improve the circulation in lower pipe of coils? Should the overhead flow pipe in hot water heating flow up or down to far end, after entering the greenhouse? B. B. B.

As a rule, the best results are secured, everything else being equal, when the flow pipe runs down hill. Instead of having them run up-hill as is now the case, it would be better if they can be arranged to run down-hill provided the highest point of the system can be at least as high as it is as

now arranged. If I understand the drawing as submitted, it is proposed to have the horizontal run of the flow pipe start at the same point as at present and then down-hill. Unless the coils are considerably above the boiler, I would not expect this arrangement to give any better and probably not as good a circulation as is now secured. My plan would be to have the flows rise from the boiler to a point 2½ or 3 feet below the level of the ridge and then run horizontally with a fall of one inch in ten or fifteen feet to the farther end of the house where they should connect with the coils. These should have about the same fall as the returns, remembering that the higher they are kept, the better the circulation. While it will be well to attempt to lower the boiler as proposed, the flows and returns should merely have fall enough to free them of air.

L. R. T.

Washington.

MARKET IS STEADY.

Though last week's volume of business was not quite up to the high mark of the week before, there was a steady demand for good stock. The weather has been more favorable to the growers than any week since the beginning of winter. One result is a great increase in the quantity of carnations, but prices are holding up very well. Paper White narcissus is plentiful and has been selling well. Daffodils are more plentiful than a week ago, and sell well. Tulips are plentiful and in good demand though not generally so good in quality as they were last season. Calla lilies are plentiful enough to fill all requirements. There is a considerable quantity of lilac in sight and it is moving freely both in pots and cut for decorations.

The following advertisement has recently appeared from day to day in a local newspaper:

"Fragrant violets are fresh picked, home grown. The dark New York state violets are stale when you get them."

It is unnecessary to discuss the questionable propriety of such advertisements under any circumstances. The writer of these notes has no personal or business interest in any of the New York violet growers or dealers but he is interested in truth, justice, fair play and fair trade. There are no better violets sold in the city of Washington than those which come from New York, and I here challenge the author of the foregoing "foundling" to deny my statement over his own signature.

NOTES.

Several of the syndicate writers, who browse around Washington in winter, have taken a sudden and mysterious interest in Luther Burbank. His fadeless flowers, stoneless plums and spineless cacti are to them sources of wonder and admiration. That Mr. Burbank can do things in horticulture is not news. But there are in this capital a number of men who once lived in Missouri and they "want to be shown" some of the things which the "synds" are now writing about.

Mrs. Esch, who died recently in this city, had been for forty years or more in the florist business. About a year ago she gave a lease of her green-

houses to Hammer & Sons and retired. She was well known and highly respected by the dealers and patrons of the Center Market, where for many years she sold the products of her greenhouses. Her son, Albert F., has but recently opened a retail store at G and Fifth streets, N. W.

J. Louis Loose has entered suit in the circuit court of Alexandria, Va., against the Southern Railroad Company for \$20,000 damages. In the declaration it is alleged that the greenhouses, flowers and other property of the plaintiff, in Fairfax county near Alexandria, have been greatly damaged by smoke and cinders from the company's shops and engines.

Theo. Dietrich is supplying Geo. Shaffer with good mignonette and sweet peas. Mr. Shaffer has in his window a bunch of Clark Brothers double poinsettias, which show up well.

Mrs. Rosine Stauff is doing quite a lively commission business in carnations grown in the northern sections of Maryland.

Alex B. Garden is sending out from his forcing house a good quality of lilac, tulips and narcissi.

S. E.

Instructive Reading.

AMERICAN FLORIST Co.:—Enclosed please find money order for \$1 for the renewal of the AMERICAN FLORIST for 1905. We are well pleased with the paper and find a lot of instructive reading in it.

FRACHE BROTHERS.

Notice.

On and after February 1st, 1905 we will SELL OUR SCRIPT LETTERS AT 3c PER LETTER. Our Agents are as follows:

JAMES VICK'S SONS, Rochester, N. Y.
 RENNIE & PINO, Providence, R. I.
 HOLTON & HUNKEL, Milwaukee, Wis.
 FRANK S. PLATT, New Haven, Conn.
 MICHIGAN CUT FLOWER COMPANY, Detroit, Mich.
 H. BAYERSDORFER & CO., Philadelphia, Pa.
 J. M. McCULLOUGH'S SON'S CO., Cincinnati, O.
 C. C. POLLWORTH, Milwaukee, Wis.
 E. H. HUNT, Chicago, Ill.
 VAUGHAN'S SEED STORE, New York and Chicago.
 PITTSBURG CUT FLOWER COMPANY, Pittsburg, Pa.
 F. H. EBELING, Syracuse, N. Y.
 PROVIDENCE SEED CO., Providence, R. I.
 J. A. SIMMERS, Toronto, Ont.
 THE HENRY PHILLIPS SEED CO., Toledo, O.
 WELCH BROS., Boston, Mass.
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 HUNTINGTON & PAGE, Indianapolis, Ind.
 C. A. KUEHN, St. Louis, Mo.

Boston Florist Letter Co.,

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Please mention the American Florist when writing.

HEATING SUPPLIES

Overhauled Boilers.

The following horizontal tubular boilers will be shipped complete with all fittings and trimmings, and are first-class for heating purposes.

3-30x8, each.....	\$ 70.00
3-36x10, each.....	90.00
4-36x12, each.....	100.00
2-42x12, each.....	125.00
2-42x14, each.....	145.00
1-42x10 Fire-box Heating Boiler....	150.00
1-42x12 Fire-box Heating Boiler....	165.00
1-42x14 Fire-box Heating Boiler....	175.00
1-48x12 Fire-box Heating Boiler....	185.00
1-Cast-Iron "Florida" Heating Boiler,	
capacity 1000 feet.	

Also high pressure boilers of every kind, and a large lot of cylinder boilers of all sizes.

Boiler Tubes.

Large quantity of boiler tubes, ranging in sizes from 2 to 6-inch. Ask for price.

Wrought Iron Pipe.

All sizes from ½ to 14-inch, overhauled and complete with threads and couplings.

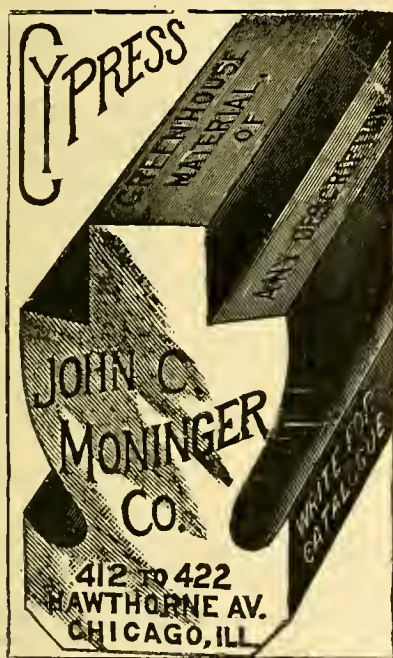
Greenhouse fittings and supplies of every sort.

WE ISSUE A SPECIAL CATALOGUE. ASK FOR CATALOGUE NO. 27.

Chicago House Wrecking Co.

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—DEALER IN ALL KINDS OF—

Hemlock and Pine Lumber

and "PECKY CYPRESS" our new introduction to the trade.

For Greenhouses.

ALSO CEDAR POSTS OF ALL LENGTHS and DIMENSIONS Having had an extensive experience in the line of Lumber and Posts needed for Greenhouse work, I am prepared to meet all inquiries. Send for prices.

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Our New Construction Sheet Mailed on Application.

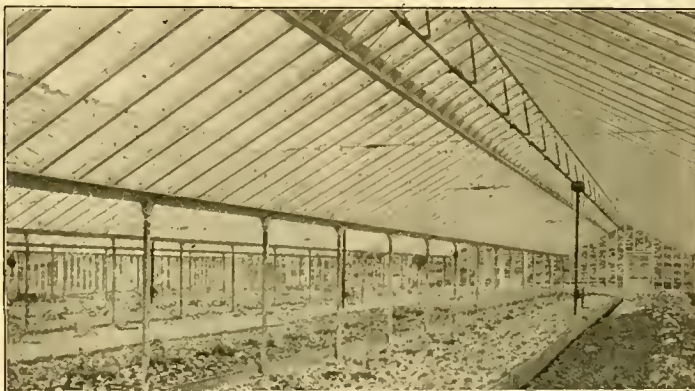
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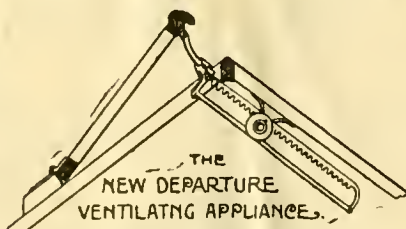
Dietsch & Co.'s Short Roof Style of Houses Can be seen at George Reinberg, 304 Balmoral Avenue, Chicago.

Quality Invariably the Best that Can Be Produced.

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If you doubt it try them and be convinced. Send for descriptive price circular.

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National Florists' Board of Trade,

Office: 56 Pine Street, New York.

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The original machine with self-oiling cups. The most powerful, least complicated, very compact with ease of operation.

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Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

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It has no equals for simplicity or its working. Catalogue free.

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AMERICAN FLORIST Co.—Enclosed find \$1 to renew my subscription for the AMERICAN FLORIST, as I consider it a very valuable paper.

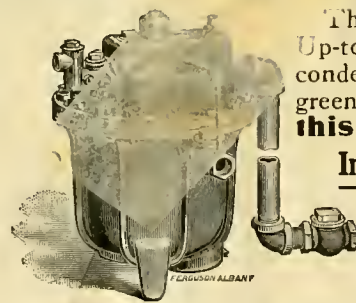
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This is the Return Steam Trap used by the Up-to-date Greenhouse men to return the condensed water from the heating coils in their greenhouses. Have been in use for this purpose over 30 years.

Insures an Even Temperature.

Send For Red Catalogue.

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Life insurance is valuable because it guarantees the outcome.

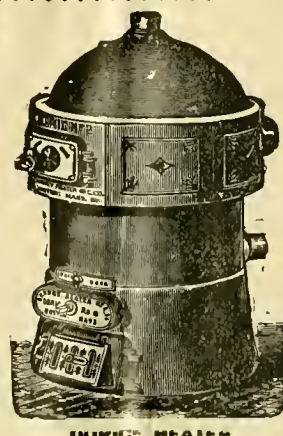
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BOSTON, MASS.

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NEW YORK CITY.



THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXIV.

CHICAGO AND NEW YORK, FEBRUARY 4, 1905.

No. 870

THE AMERICAN FLORIST

TWENTIETH YEAR.

Copyright 1905, by American Florist Company.
Entered as Second-Class Mail Matter.

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324 Dearborn St., Chicago.

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Subscriptions accepted only from the trade.

Volumes half-yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. C. VAUGHAN, Chicago, president;
J. R. FREEMAN, Washington, D. C., vice-president;
Wm. J. STEWART, 11 Hamilton Place, Room 11, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-first annual meeting at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass., March 23-26, 1905. Wm. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary.

CHRYSANthemum SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1905. FRED. H. LEMON, Richmond, Ind., secretary.

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Lewis and Clark Exposition.

TO BE OPENED AT PORTLAND, ORE., JUNE 1, 1905.



"Where Rolls the Oregon."

The Model Farm.

An experimental garden or model farm where will grow every variety of every different kind of plant which contributes to the food of man or domesticated beasts, will be a feature of the Lewis and Clark Exposition which will open at Portland, June 1. Growing grasses, forage plants, vegetables, flowers and fruit trees will grow side by side, giving an impressive object lesson to visiting agriculturists.

This novel exhibit will be located in a small canyon which was utilized years ago by Chinamen as a truck garden. The soil is rich and productive, and only practical cultural methods as applied to general farm conditions will be employed in making this live exhibit.

The agriculture section will be devoted to the growing of various forage plants, including about a dozen varieties of the domestic grasses commonly grown in Western Oregon, four

of clover, four of field peas, three of vetch, alfalfa, two varieties of mangel-wurzel, three of turnips, two of field carrots, rape and kale.

There will be about seventy varieties of vegetables best suited to the climate and soil of the Willamette valley. The different kinds of vegetables shown will include cabbage, brussels sprouts, cucumbers, onions, celery, corn, melons, peppers, tomatoes, squash, cauliflower, lettuce and hops. There will be grown several varieties of Bohemian hops, a portion two years of age and the remainder one year, to convey an idea as to the growth of hops on Willamette valley soil at their respective stages.

A number of varieties of choice orchard and small fruits have been planted and many of these although only one year out will be fruiting during the exposition. One section will be devoted to an exhibit showing the methods employed on the Pacific coast in training orchard and garden plants. While no one expects to see a fully-grown orchard at an exposition, it will be a novel sight to see a real young one bearing its first crop of fruit, from raspberries and blackberries through currants, gooseberries, quinces, cherries, pears, plums, peaches, apricots and apples. Under the usual climatic conditions the crops should be well advanced and will afford much interest to visitors.

In floriculture there will be various plants filled with over fifty varieties of annual and perennial flowers, including asters, carnations, cosmos, eschscholzia, hollyhocks, nasturtiums, single and double petunias, verbenas, etc.

Centennial park, the natural portion of the exposition grounds, is an exhibit itself of the wealth of trees and flowers which Oregon produces. It was laid out by an experienced landscape artist with a view to making the most of the natural scenic beauty of the site. On the crest of a hill on the south end is a great bed of roses of every variety, which flower blooms all the year round at Portland. Extending from this point is a network of roads and paths wind-

ing among the grassy slopes, which are thickly dotted with trees and shrubs, both evergreen and deciduous, of thirty-six varieties, all native to the Oregon country.

THE ROSE.

J. F. SULLIVAN, secretary of the Detroit Florists' Club, staged in good condition, at last week's carnation exhibition in Chicago, some blooms of the new rose, Richmond, which had been exhibited in his city seven days previous.

Propagating.

The first of the year generally finds the rose grower taking stock, and it is a good time to decide first what you prefer to grow another season. It is necessary to do this early in order to propagate just what will be required as to quantity. Perhaps some of the new varieties have proved quite profitable, and we wish to double the amount to be grown in the coming season either by grafting or by taking cuttings. Some of these may not make as much wood for this purpose as the older varieties such as Bride, Bridesmaid and Golden Gate. If such is the case propagating should be started at once. If any great amount of stock is required for the trade, of course it is time to start in all around. But it should be remembered that to rob the plants of too much wood suitable for good, strong cuttings, particularly at this time of the year, will do considerable harm, therefore take the wood sparingly. If only enough plants are required for home planting February will be time enough to make a start. Propagating later has its advantages, as this wood will be more plentiful and of better quality and may save a shift of the small plants, thereby saving time when we have so little to spare.

There has been a great deal said from time to time in regard to the best wood for cuttings. For Bride, Bridesmaid and Golden Gate, short stemmed buds that usually come with three or four eyes, closely jointed, will be found to be the best. The blind wood, if clean and strong, is almost as good. Both should be used for heel cuttings.

It is better to take them before the foliage as the tip becomes ripened too much. A little of the red tint in the foliage should still be showing. The heel will be found firm enough to root readily and the tips will gradually ripen after the cuttings are in the sand.

In taking American Beauty cuttings great care should be observed in securing the wood. The extremely long canes have only a few cuttings in the middle that strike readily. The tips will be found too soft and the wood at the base of the cane too hard. Select the short jointed wood found in the shorter blind canes. It will be found to run more uniform. If canes have lost their foliage and have made a short jointed growth at the top, such tops make good cuttings. The cuttings can be made with two or more eyes, according to the distance between joints. In selecting any and all cuttings select wood free from spider, mildew, streaked foliage, etc. It pays to use only the very best.

The cutting bench should have bottom heat sufficient to bring the sand up to a temperature of 68° to 70° and a curtain should be tacked on the side to retain the heat. The temperature of the house should be 56° to 58° at night and allowed to run up to 65° or 70° on bright days, but with plenty of ventilation at all times, but avoiding all draughts. Keep the walks sprinkled regularly and have everything connected with the propagating house absolutely clean. Before putting in the sand wash the bottom of the bench thoroughly and after it becomes dry give it a good white washing, adding a teaspoonful of carbolic acid to a bucketful of whitewash. The bench should be about seven inches deep and use about an inch or so of drainage, using fine cinders or fine gravel washed clean. Fill up the space left with good clean, sharp sand of medium grade. Coal ashes screened to about the same grade may be used, but the sand will produce roots less brittle and not so liable to break off in potting. Pack the sand as firmly as possible, leaving it level when finished and firm enough to stand considerable pressure from the finger tips without denting. Water thoroughly until the water drips through the cracks at the bottom. After it has stood for a while

it will be ready for the cuttings.

Take off only enough wood to be used up while fresh. Sprinkle the wood before making it up and keep the cuttings sprinkled from time to time until they are placed in the sand. For Bride, Bridesmaid and Golden Gate make a clean cut at the heel, as before mentioned. Trim the foliage away from the base of the cuttings high enough to give them a firm hold in the sand, from one to two inches, according to the length of the cutting. The foliage will need no trimming if one has an abundance of room, except removing the small buds from the flowering wood.

Take a strip long enough to reach across the bench on the inside. This can be made three inches wide and one-half to three-fourths of an inch thick and used for marking off the rows. With an old table knife make a clean cut in the sand not quite as deep as you wish to place the cuttings. Allow for them to be shoved just a little below the depth of the cut and they will be held more firmly. Place the tallest cuttings at the back of the bench. Do not allow the foliage from one row to overlap the next one, particularly with American Beauty. They should have lots of room and in putting them in the sand slant the cuttings a trifle, or just enough to keep the foliage from lying in the sand. Press the cuttings the full length of the row with the finger tips, pressing downward. This should be done only on the side you are working from. Water from time to time as you are putting in the cuttings so as to keep them fresh. Sprinkle over the top with a fine rose on the can. On all bright days keep the sand quite moist until root action takes place. A barrel of water kept in the propagating house for watering the cuttings is a great help, as the chill is then taken off the water. This should not be overlooked.

Cheese cloth can be used for shading the cuttings arranged in such a manner that it can be removed on cloudy days or late in the afternoon on bright days. It can be strung on wires or fastened to light frames, the position of the cuttings, style of house, etc., suggesting the manner of shading. Dairy thermometers will be found useful in taking the temperature of the sand. The cuttings will begin to make roots in from fifteen to eighteen days and should be potted off when the roots have attained a length of about one-half inch. Potting and the care of the young plants will be mentioned in another issue. E.

Best Outdoor Varieties.

ED. AM. FLORIST:—We wish to plant several hundred roses in the field for summer blooming. The temperature never goes below 22° below zero and seldom below 14° in winter. What varieties are best for this work, also what climbing rose would do well in gravelly soil to cover road fence for show purposes?

COLORADO.

In early spring plant good sized red and white Maman Cochet, President Carnot and Kaiserin Augusta Victoria. Crimson Rambler and Rosa Wichuraiana should answer for covering the road fence.



AGRICULTURE AND EUROPEAN BUILDINGS, LEWIS AND CLARK EXPOSITION.

Poinsettias.

There are now several distinct varieties of *Euphorbia pulcherrima* (as now designated). For market purposes the old name seems likely to remain with us, says a correspondent of the Horticultural Advertiser, published in England. In regard to varieties, some years ago the early variety, which is not of quite such an intense scarlet, was known as *Kermesina*, the bracts of

provided the weather is not too severe, there is always a very large demand for them at Christmas time. When used for cut bloom they will be found to last much longer if the ends are dipped in hot water as soon as cut off from the plants.

Double Primulas.

I often wonder why the double primula is not grown more extensively. I

plant, with some roots attached to each. About March 1 prepare some chopped moss, mixed with sand, and place on top of soil around stem, close to the lower leaves. Keep the moss moist and when it is well filled with roots divide the plants by cutting the ball of earth into three or four parts, according to the number of well rooted divisions. The pieces that are not rooted can be potted in 2½-inch pots in light sandy soil. Keep close and shaded until well rooted, then remove to cool end of greenhouse, giving them more air, light shade, and a place on shelf or raised benches near the glass. Repot when the pots are well filled with roots, using unsifted soil in a mixture of two parts sandy loam, one part decayed cow manure, one part half decayed leaf soil, one part sand, and some charcoal. Give the plants a good watering through a fine rose to settle the soil. Apply water under the leaves, as, if watered overhead the plants will damp off; never water unless the plants are really dry. If the soil is kept too wet it will become sour and the roots will rot.

Remove the plants to open frames in summer. Shade from hot sun, using canvas fixed on frame and raised about three feet above the plants. Remove the shading at night and in cloudy weather. Remove to cool house early in September, shade lightly and keep near the glass.

ROBERT SHORE.

Cultivation of Trailing Arbutus.

It is said that the trailing arbutus, which ordinarily is a most difficult plant to establish in the garden, may be readily transplanted if one will select the small seedlings and remove them with plenty of earth. It is practically impossible, according to the American Botanist, to transplant large clumps. The plants may also be raised from seed; but owing to the fact that this species is practically dioecious with perfect stamens and pistils on separate plants, there are many blossoms that cannot set seed. It is said that the sex of the blossom is often indicated by the color, the pale blossoms being staminate and those of deeper color pistillate.



TRAIL AND ESPLANADE AT THE LEWIS AND CLARK EXPOSITION.

which have a level surface and a more regular margin than the true type. A good many seedlings have been raised at different times, and a few of them have been given distinctive names. Major is one name applied to the early variety, which seems to closely resemble *Kermesina*. One great recommendation for this is that it is hardier than the others. I noticed this in the market, these standing up well while in the ordinary form of *pulcherrima* the bracts were all drooping down. Of course, the temperature they are grown in makes a considerable difference and it does not seem necessary to give so much heat for the early variety, in fact it is much easier to grow it well. There is no doubt that poinsettias are often given too much heat. They may be grown in a pit or house without any artificial heat during the summer, but to finish them off well they must be given warmth before the nights get too cold in the autumn. Left in a cold position they may remain for a long time without appearing to suffer, yet the leaves will fall off soon after they are given a little warmth. It is better to give heat early and then reduce the temperature a little after the bracts are well developed. The variety *pulcherrima plenissima* is the most difficult of all to grow, yet it is worth looking after, for the additional bracts from the center add much to its value, and it also comes in later than any others. The white variety does not sell quite so readily, yet it is sometimes wanted, and I have known it make better prices than the scarlet, when well finished. There is, perhaps, a little uncertainty in the demand for poinsettias in the market, yet when well done they will generally command good prices. And,

do not know of any flowering plant that is so satisfactory as the double primula for greenhouse decoration or for window decoration in florists' stores, if properly handled. It makes a good companion plant for *Gloire de Lorraine* begonia. Some thirty years ago it was grown extensively by florists as a pot plant and brought a good price at Christmas. The flowers were also used for floral designs and they were found useful when other white flowers were scarce.

The double primula is propagated from cuttings, or by divisions of the



GLIMPSE OF NATURAL PARK, LEWIS AND CLARK EXPOSITION.

THE CARNATION.

ROBERT CRAIG states that in his judgment Variegated Lawson will outbloom Mrs. M. A. Patten two to one.

DICK WITTERSTAETTER's Aristocrat was always the center of an admiring group at last week's exhibition. His other seedlings were not overlooked.

FRED BURKI was omitted from our report of the exhibition of the American Carnation Society. It made a good showing among the numerous new candidates for honors.

C. C. POLLWORTH sends a copy of the Milwaukee Sentinel of January 29 showing a colored page of carnations with portrait of the late President McKinley. The same paper devotes another half page of the same issue to the Carnation League of America and Mr. Pollworth assures us that this was of great value to the trade of his territory.

Notes on New Varieties.

MRS. W. L. LEWIS.

A new white which will be disseminated in 1906 by the Lewis Conservatories, Marlboro, Mass. This seedling is in its fourth year and bids fair to be a good commercial variety. It is a continuous bloomer and is remarkably free. The accompanying illustrations are reproduced from photographs taken about January 1. The following are some points of the new variety:

Pedigree, Mary Wood x Flora Hill; color, pure snow white; fragrance, very strong of clove, and very pleasing; size, large, averaging 3 to 3½ inches, and has a good, stiff stem 18 to 20 inches in length; flower, full, stiff petaled, well fringed and symmetrical, with a high center; habit, strong and prolific; grass, medium width; calyx, long, strong, and a burst calyx is something that has never been seen since its origin; a fine keeper and excellent ship-

per; constitution, vigorous and free from disease.

MARY ALBERT.

Among the meritorious new whites is the new white seedling carnation, Mary Albert, which will be introduced by Davis Brothers Company, Bloomsburg, Pa. This seedling is three years old and has been thoroughly tested and found to be satisfactory in every way. The blooms are large, measuring from 3 to 3¼ inches, fragrant, beautifully fringed, of purest white, and do not burst. The stems are from 30 to 36 inches long, stiff and wiry. No surplus grass is produced, and yet is a very robust grower. Blooms early and continuously throughout the season, and is an excellent keeper and shipper. Parentage, G. H. Crane x Flora Hill.

SENATOR CRANE.

Senator Crane was originated by Edward Dolby, gardener to Zenas Crane, Dalton, Mass. The flowers are a pleasing light pink shade, with strong fragrance, making it, with its other good qualities, a variety of sterling merit. It is in its third year, and the stock will be worked up and disseminated by Robert C. Pye, Nyack, N. Y.

KINGSTON PET.

A sport from Enchantress introduced by Valentine Burgevin's Sons, Kingston, N. Y. Color, a clear, glistening pink; habit, as strong as its parent, very free flowering, never bursts the calyx; size of flower, 3½ and 4 inches. A good keeper.

Carnation Fred Burki at Home.

The new white carnation, Fred Burki, introduced by John Murchie, Sharon, Pa., is a variety that appealed to your writer more than anything in the commercial class for some time. The originator claims many good points for this variety, but if you could see it at home you would agree that it has even more points than are claimed. To begin with, the cuttings are numerous and root very easily. After rooted the plants grow very rapidly and by keeping them properly topped you can have as bushy and healthy looking plants as you could desire. When benched the plants go right ahead, losing no time in making buds, and a very good crop can be looked for in November. Owing to the heavy demand for blooms your writer did not have the pleasure of seeing a full open flower. However, a good many seen would average easily a good deal over three inches. The bloom is a very neat substantial one, having the appearance of being able to stand a great deal of rough handling. Judging from the stem that carries the blooms Mr. Murchie must have a wire works connected with his establishment.

A very promising red carnation was also seen at this establishment. It was a mammoth bloom, having a great calyx, color, and the stem had the appearance of having some of the same wire drawn through it that is making Fred Burki stand up. Considering the free growth with the many other good points I can predict for it a record not often made.

F. L. S.

Carnation Flancee Cuttings.

TO THE TRADE:—We beg to inform all florists who have orders placed for



WITTERSTAETTER'S CARNATION ARISTOCRAT.—No. IV—1021 B.
(See page 1047, issue of January 21.)



J. A. Valentine.

1021 No. B 1.

Afterglow.

THREE OF WITTERSTAETTER'S NEW CARNATIONS.

carnation Fiancee that we have been somewhat disappointed in its refusing to produce enough cuttings for January deliveries owing to its superb habit of producing long flowering stems only. These stems have been pinched back from 30,000 plants and there is now an abundance of excellent cuttings coming along.

We are putting in the sand large batches every week and expect by the latter end of March that all orders now on our books will have been filled. There is an average of twenty cuttings to the plant now in sight, making a total of 600,000 available cuttings for spring deliveries.

Fiancee has no disease of any kind; it makes fine, strong plants by fall, even from May struck cuttings, in fact, it is the strongest grower of any carnation.

We further wish to state that we intend everyone shall be satisfied with the quality of cuttings received; would rather be the loser ourselves than otherwise.

Those who visited our greenhouses after the convention can vouch for the reliability of this statement in the whole, and especially for quality and quantity of cuttings obtainable.

We ask everyone to be patient, and in the end there will be no kick coming to anyone.

CHICAGO CARNATION CO.,
Jas. Hartshorne, Mgr.

Variegated Lawson.

ED. AM. FLORIST:—In looking over your paper I note that the F. R. Pierson Company of Tarrytown-on-the-Hudson, N. Y., has purchased of W. B. Arnold the entire stock of Variegated Lawson. I would say that the same firm has not the entire stock, for I have been making up a stock of the same for the past year, and now have a nice lot. It is a true sport of Lawson, and with the color of Bradt, with all the quality of Lawson as to health and vigor. It is

a grand flower and nothing in the market at present to beat it. It will give the largest percentage of perfect blooms of any large variegated carnation yet introduced.

Wilmington, Del. H. P. POTTER.

Chicago View of California Carnations.

Redondo, thirty minutes by trolley from Los Angeles, is one of the interesting seaport towns of southern California. A commodious hotel, one of the best on the coast, steam heated, comfortable both summer and winter, crowns a commanding eminence overlooking the sea. From its windows may be seen the island of Catalina, some thirty miles off, while "Old Baldy," snow covered and splendid, cuts the clear air back of the foothills. Like Rome, this little resort is set on its seven hills, and at this time of year they are gloriously green. The sloping sides of the park are covered with a luxuriant growth of trees and shrubs, resembling midsummer now, when our eastern parks are so bare and bleak. Under the efficient management and ownership of John S. Woolacott, lately of Chicago, the Redondo hotel is fast becoming a favorite resort.

On the bluffs back of the hotel are the famous gardens of the Redondo Carnation Company, twenty-five acres of wonderful color and growth. With the soil from three to six feet in depth, the entire tract irrigated, a rich sandy loam, it is small wonder that success has been easily achieved from the start. The plants bloom all year, with only 9,000 plants under glass, hence the name gardens is very appropriate. At one time, during the visit of President McKinley to the coast, 120,000 blooms were cut one day in April. The wholesale price is \$1 per 100, and they are now selling at from 25 cents to 35 cents per dozen. The plants are allowed to remain undisturbed in the field for two years. Propagation is carried on outdoors every month in the

year. The annual output of 300,000 is mostly made from November to April.

Eastern varieties make very fine stems, but when grown outdoors the calyx invariably bursts; when grown under glass, they are quite as satisfactory as in the east. From 6,000 to 7,000 carnations are now being shipped daily. At present there are about 5,000 seedlings, and at the end of eighteen months the company may discover that they have something new in coloring to propagate. The varieties now most popular and of their own production are: Los Angeles, a clear, good white; Corbet, salmon pink; Amna, wine color, and Russell, a brilliant velvet cardinal. The stock of this latter is owned by the Redondo company, but not as yet in sufficient quantities, though they consider it has a great future.

Redondo has other and varied interests, 80,000,000 feet of lumber from the forests of Oregon and Washington, and 300,000 barrels of oil alone bringing good revenue to its shipping. I picked up many broken and some perfect Indian relics in the carnation gardens. Some very valuable finds are shown at the hotel and many believe the field practically unexplored at Redondo.

WM. A. PETERSON.

California Carnation Cuttings.

ED. AM. FLORIST:—I would like to know what success eastern carnation growers have had with California cuttings. I received several thousand and with the best attention could not make them grow. Cuttings of my own put in the same sand and same temperature all rooted. Is it the long distance or being packed so long that takes the vitality out of them?

C. W. CROUCH.

FLORENCE, ALA.—William Zimmerman who recently located here, has bought property for the purpose of erecting greenhouses, a much needed enterprise.

WITH THE GROWERS

Walker & McLean, Youngstown, O.

On a recent visit to this well established place, a great deal of pleasure was afforded in going through the various houses. In carnations, Mrs. Thos. W. Lawson, Mrs. E. A. Nelson, Enchantress and several others impressed one mostly. Mrs. Lawson is



Carnation Senator Crane.—See page 68.

the leading pink and Mr. Walker contemplates putting two big houses to this alone. A house of calla lilies which could not be beat was a sight which I could hardly walk away from. It was certainly a treat. A house of palms and other decorative stock was a pleasing sight, containing many fine specimens. A lot of Mystery violets showed the capacity of this well colored variety. In the propagating department were many thousands of carnation cuttings, in fine, healthy condition. At the store on West Federal street, a large addition was noticed, making the store about twice the size it formerly was. They have long been crowded for room and this will fill a long felt want. Mr. McLean is kept busy at this end.

F. L. S.

Frank McMahon, Seabright, N. J.

Frank McMahon has just finished an addition of three new houses, 20x125 feet each, even span. The whole range now includes over 100,000 square feet. Bride and Bridesmaid roses are mostly grown. Mr. McMahon is a pioneer rose grower, and his ability can be estimated by the quality and quantity of the roses he is cutting. He is doing a large retail business, and besides ships about 1,800 roses daily to New York city. Three houses are planted to carnations. About 60,000 geraniums and 45,000 coleus plants are grown annually for spring bedding, and sometimes he could use many more.

All the roses are grown on solid benches and only grafted stock used. The best result is reached during the second year, but he has some houses with three and four-year-old plants with hardly any marked difference from the two-year-old.

The republicans recently wanted Mr. McMahon to run for sheriff, but

he did not accept the nomination on account of his business, as he has another large range at Little Silver.

B.

Do It Now.

As soon as begonia seed is well up, give the young plants light and air by degrees until they will stand the full sun. A shelf near the glass is an ideal place for these, as well as many other seedlings. They do not thrive in a close, moist atmosphere; 60° at night is warm enough.

If you find a begonia plant among your Vernons or other semperflorens that shows superior merit, set it aside and save the seed therefrom, thus building up on a solid foundation an improved strain.

Just as good plants may be raised from cuttings of semperflorens types of begonia as from seed, and, of course, quicker, if care is exercised in taking the cuttings with one or more growth eyes at the base of the cutting. If the cutting is made with a flower stem at its base, the resulting plant will be of little or no value. This also applies to some other begonias, including Gloire de Lorraine.

Don't defer too long the securing of a stock of the new dwarf Crimson Rambler rose. It may be grown so that it will easily be in bloom for Christmas, and pot-grown roses in full bloom at that festive season would be a novelty finding ready sale. Five plants grown here were entirely stripped of all flowers and buds October 27 and were in full bloom again the first week in December, and have remained so ever since.

Croton cuttings that were put in the sand the first week in January, if in a night temperature of 75°, are now rooted and ready to pot. They should be potted without delay and given the same temperature in which they were rooted. Crotons resent neglect more than most other plants.

E. L.

Florists' Wagon Express a Success.

The night wagon express between Chatham and New York has just completed its second year of constant service. In warm and cold weather, by

moonlight and through fogs, in dark nights and stormy ones this wagon never fails every evening to visit the various greenhouses about Chatham, distributing the empties and collecting the past day's crop of flowers.

During the wee small hours of any and every night, Saturdays excepted, the wagon, with its fragrant load, is traversing the lonely highways and streets of Newark and Jersey City. Each morning it arrives at seven o'clock at Chatham's first agency in Twenty-sixth street, New York. Even the storms of the past winter have not delayed it; its delivery is always prompt and the goods never touched by frost. There have been times when passing Wyoming at about 3 a. m., the horses encounter untrodden snow all through the Oranges, and they are the ones that have to make the first tracks for a number of miles. During the recent big snow storms, think what this has meant. Even this ordeal has not broken their record of an always-prompt delivery.

By this method the grower saves himself the cost of taking his goods to the station. At his very door he is relieved of them and has the satisfaction of seeing them at once sheltered from the cold, and they are kept so sheltered right up to their destination in New York. By an intelligent use of a smaller or larger number of lighted lanterns, these perishable goods are kept just cool enough but never allowed to get frostbitten. There are, of course, relays of horses, and the men who assemble the consignments from Madison and other neighborhoods are relieved at Summit by other men who accompany the loads across the flats. In these days of railroads this transportation by wagons may seem primitive, but railroads never visit one's warehouse nor carry goods without change over ferries or up city streets. This is a case where re-adopting old ways has proved to be a progress.—Chatham Press.

NEW HAVEN, CONN.—Charles Munro is still confined to his bed. He slipped on the floor of his store during Christmas week and injured his side, necessitating an operation.



HOUSE OF CARNATION MIKADO, AT PATTEN & CO.'S, TEWKSBURY, MASS.



CARNATION MRS. W. L. LEWIS.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points January 28 were as follows: New York, cucumbers, No. 1, \$1.50 to \$2.25 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 30 cents to 35 cents per dozen; mushrooms, 40 to 50 cents per pound; radishes, \$2.50 to \$3.50 per hundred; tomatoes, 25 cents to 30 cents per pound; rhubarb, prime, 50 cents to 75 cents per dozen bunches. Minneapolis, cucumbers, \$2.50 per dozen. Cleveland, mushrooms, 40 cents to 50 cents per pound. Cincinnati, cucumbers, \$1.50 to \$2 per dozen. Detroit, cucumbers, \$1.60 per dozen; lettuce, 9 cents to 10 cents per pound. Buffalo, tomatoes, 20 cents to 25 cents per pound. St. Louis, cucumbers, \$2 per dozen. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 40 cents to 50 cents per pound. Denver, cucumbers, \$2.50 to \$3 per dozen. Pittsburg, cucumbers, \$1.50 to \$1.75 per dozen.

Sterilized Vegetables.

Some New York capitalists and a Pittsfield, Mass., man, says the Springfield Republican, are experimenting in sterilizing vegetables for market. The discovery was made lately that hot-air sterilization will preserve vegetables indefinitely without injuring their structural parts. Corn, peas, string beans, lima beans and other garden produce treated by the new process will take on a withered form much like cured hay, but when put in cold water will resume their shape and retain their former brittleness and garden flavor. Cabbage, potatoes, turnips, beets, celery and other produce, granulated, treated by sterilization, have the same freshness and taste as when gathered in gardens by their reproduction in water after months of preservation after

sterilization. The men interested in this discovery say that sterilization of vegetables reduces their bulk, makes the charges for handling and transportation but a small item, and that the value of the discovery lies in being able to serve fresh vegetables at places a long distance from truck farms and gardens and at any time of the year.

Forcing Beans.

ED. AM. FLORIST:—Please give me some instructions on growing beans under glass. Should they be planted in the ground or in benches? What

temperature is needed and what is the best variety? E. E.

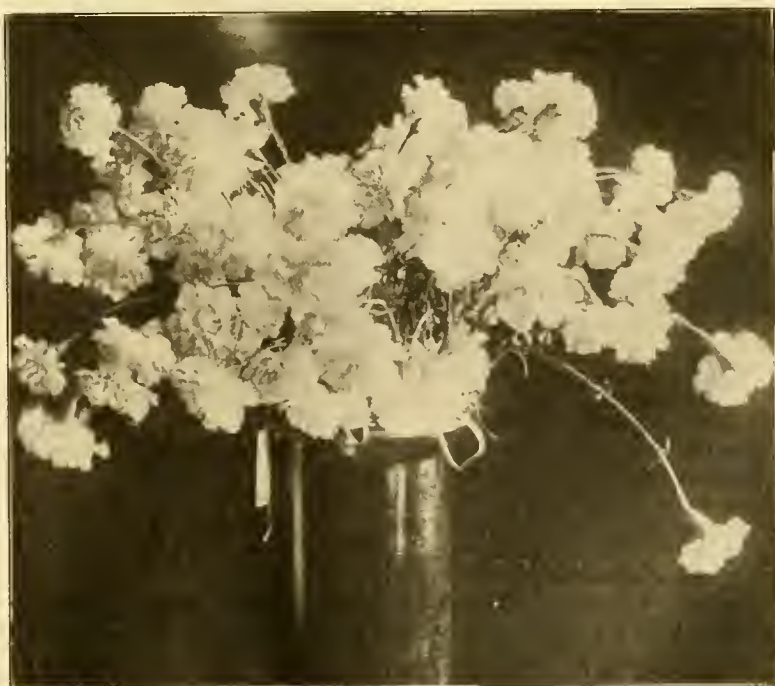
The chief requisites in growing beans are a temperature similar to that of a cucumber or tomato house 60° to 65° by night, with a rise of 10° or 15° by day, a good soil enriched with cow manure and a light position in the greenhouse. They may be grown on ordinary benches with four or five inches of soil, sown directly in the soil, or previously sown in 3-inch pots and transplanted. We have found it convenient to sow in rows about eight inches apart, the short way of the bench. They are then more easily staked and more convenient for picking. When once growing they must never suffer for want of water and a syringing on fine days will keep the red spider—the bean's principal enemy—in check. When the beans are in flower syringing should be omitted and manure water applied.

Beans may also be grown in pots. Sow a few seeds in 3-inch pots and transfer when strong enough to 8-inch pots, using about three small pots of the seedlings to each large pot. Stake with fine brush. Bottom heat should always be provided, and avoid watering with very cold water. Usually in six weeks a crop will mature, and in the meantime provision should have been made to replenish the beds, so that no time is wasted.

The best variety is Sion House, with Triumph of the Frames second choice where little room is available. Emperor William produces pods too large and the plant has too much vine towards spring. Early Valentine and Wardwell's Wax will well repay the few days more it takes for them to mature.

FRANCIS CANNING.

UPTON, MASS.—H. O. Harrington last week injured his hip badly by falling on the ice.



VASE OF CARNATION GOVERNOR WOLCOTT AT THE CHICAGO SHOW.—Jan. 25-26, 1905.
(Exhibited by the J. D. Thompson Carnation Co., Joliet, Ill.)

Ladies of the Trade.

MRS. CHARLES EICKHOLT.

The subject of our illustration is one of the numerous ladies who are successful in the trade in the south. Mrs. Charles Eickholt is a native of Ger-



Prof. G. F. Atkinson, of Cornell University.
(Author of "Carnation Diseases," reprinted in our issue of January 28.)

many and practically commenced her business career in this country in 1891 in Galveston, Tex. The cultivation of flowers and plants was at first a mere fad with her, but after a time it developed into a good business and has now become quite extensive. In 1899 she bought a place on Avenue M, near Tremont street. Here she had built, according to her own plans, a comfortable residence and in the summer of 1900 she added a palm house. It now became impossible for her to attend to all the work and for the first time she engaged assistance. Soon after, in September of the same year, Mrs. Eickholt lost heavily in the Galveston storm. Immediately after, however, she went to work rebuilding her greenhouses and with what little she possessed opened a store in town. Mrs. Eickholt carried on the store with the assistance of her two sons. Two years ago her health failed and she spent the entire twelve months of 1904 in Germany, where she officiated as judge at the Dusseldorf exhibition. On her return she was still unable to attend to work and has now retired in favor of her oldest son, William, who will continue the business.

AUBURN, ME.—George M. Roak is confined to the house by illness.

PERRY, IA.—The greenhouse and residence of Joseph Perry was destroyed by fire January 20. The loss is partly covered by insurance.

NEW HAVEN, CONN.—Suggestions of economy in flower bills were only heeded by a few Yale men who had "prom" guests January 24. Approximately \$10,000 was spent on flowers for the "1905 prom girl" by juniors and seniors who were asked to omit flowers this year because such gifts were thought a "needless expenditure."

THE RETAIL TRADE

ASH WEDNESDAY, the beginning of Lent, falls on March 8.

FOR Irish weddings around St. Patrick's day try bridal bouquets, etc., of shamrock and lily of the valley.

Iselin Dinner Decorations.

At the dinner at Sherry's given by Mrs. C. Oliver Iselin, January 25, the decorations, though simple, were well devised and carried out. White, pink and silver was the combination color scheme. The dinner was served at round tables each seating eight persons. A large piece of silver occupied the centre of each table, filled with pink roses and white lilacs, both long in stem. Silver bowls of different sizes were also brought into service with the same filling. Glass epergnes filled with pink and white roses were in front of each plate. Asparagus and smilax were used on the tables. Notwithstanding the adopted color scheme violets were introduced. Showers of them were seen in silver finger bowls, and



Mrs. Chas. Eickholt.

the boutonnieres for the male diners were alternately violets or white camellias.

The Show Window.

The florist's window, if given the proper care and attention, will always prove to be of great interest to everybody—a relief to the passing throng of people, who tire of the endless displays of other lines of business. The average florist's window is too often neglected. One florist says: "I would take an interest in keeping my window attractive if I were in another location and had a better class of trade."

There is the mistake. No matter what the location is, or what class of customers he caters to, it pays to be neat and artistic, in fact it is absolutely necessary; and right there in the decorating of the window lies the most profitable way of showing your artistic

ability. Furthermore, as a medium of advertising there is none better.

In the making of an effective display it must be borne in mind that minor detail is the most important point to be considered. The selection of the best to be had in the way of flowers and vases, and careful scrutiny in the matter of their cleanliness, all tend toward gaining an effect we would call pleasing. And do not forget the fact that the simple forms of arrangement are more often the beautiful ones. Try and avoid that stiffness and formality which often spoil the effect of what would otherwise be pleasing. Vary each day your scheme of decoration and thus avoid similarity. Where you would have the fitness and beauty of the arrangement a prominent feature, it is absolutely necessary to watch the little things.

M. E. C.

New York Decorations.

At the Schoonmaker-Eaton wedding in the Collegiate church, January 18, the decorations were on a large scale. The chancel was banked with palms, many of them the tallest obtainable. The pulpit was covered with bougainvillea and asparagus. The balconies were overhung with wild smilax, set off with garlands of pink roses, with clusters of the same flowers at intersecting points. The aisle posts were decorated with Japanese lilies and white ribbon, and there was a bank of these lilies at the end of each pew. Half way down the aisle was a swinging gate composed of lily of the valley and jessamine. The gate divided the church into two sections, one for relatives and the other for guests. The bride's bouquet was of lily of the valley and white orchids. The maid of honor carried a bouquet of Enchantress carnations, lily of the valley, and Adiantum Farleyense. Two matrons of honor carried bouquets of Prosperity carnations and Adiantum Farleyense. The bridesmaids' bouquets were similar excepting that the carnations were Enchantress. Two little flower girls carried small ribbon baskets of lily of the valley and jessamine.



M. A. Patten.

(Prominent Tewksbury, Mass., carnation man.)



DELIVERY CARDS, TAGS AND ENVELOPE NEEDED IN MODERN FLORISTS' BUSINESS.
(Considerably reduced in reproduction.)

At the Thornton-Roe wedding at the bride's home, 150 West Forty-ninth street, the large room in which the ceremony was performed was handsomely decorated. The walls were covered with wild smilax relieved with pink roses. Streamers of Asparagus plumosus and pink roses almost completely hid the ceiling. Twelve also posts were used, covered with white ribbon and Japanese lilies. In an unused corner of the room was a huge jar of lilac and pink roses. The rear of the room was banked with palms and pink roses. In other rooms palms and plants with cut flowers liberally distributed formed the decorations.

San Francisco Press Club Decorations.

By way of introduction it may be said that when the year 1903 was in its fifth month President Roosevelt visited San Francisco and in the large jinks room of the city's press club, after delivering a catchy speech to the crowded audience of newspapermen, he accepted the offer of a black crayon pencil and in a bold hand, over his signature, wrote on a heavy white cardboard double the size of a page of the New York Tribune, this sentiment: "Good luck to the San Francisco press club." One night last week a rare occasion was on at the press club, and the president's cardboard sentiment, a wall adornment conspicuously placed in the jinks room, was picturesquely decorated with California blooms and fruit that even in California are rare for early January, namely, sweet peas, wild

iris, buttercups and poppies. The floral design was a colossal fern and moss horseshoe that overhung the cardboard inscription, its further embellishment, additional to the flowers named being an artistic arrangement of American Beauty and Liberty roses and Prosperity carnations and a liberal supply of floral beauties in crimson, represented by the famous Roosevelt carnation, grown at Loomis, Cal., by the Loomis Floral Company; also, as a substitute for the state's holly berries, the "good luck" design embraced in its make-up branchlets of fully matured and perfectly formed red ripe cherries and Black Tartarian, and clusters of ripe currants, all matured and ripened in open air gardens in Alameda county on the east side of San Francisco bay.

The occasion of this floral display at the press club was an all night talk on the experiences of newspaper reporters, the guest of the night and principal talker being a visitor from New York, Jacob A. Riis, the well-known newspaper man.

MONNETTE.

New York. THE MARKET.

The market has recovered from the effects of the blizzard of last week in that all irregularities of supply have been balanced, and shipments are coming in on time and in good shape. Demand continues to be away off in comparison with what it should be at this time of year, yet is sufficient to give a little zest to business and admit of a fairly good cleaning up every day.

Incoming shipments are not heavy by any means, and the conditions as they exist on both sides serve to keep prices fairly firm. Roses clean up wonderfully well, in all grades. American Beauty have reached the 75 cent mark, and Liberty specials with long stems have taken on strength at 50 cents. Carnations are not quite so strong as last week, as far as price is concerned, and six cents is about top for anything in the ordinary run of fancies. The quality of the carnation stock is pretty good, and while shipments are heavy they appear to move well. Bulbous stock increases in abundance every week. Some large shipments of freesia arrived on Tuesday, and good stock was freely sold at eight bunches for a dollar. Narcissus, Paper White and ordinary yellow moves well at \$1 to \$2, Golden Spur, \$2 to \$4. Mignonette drags at \$2 to \$4. Violets are in a rut, and both demand and price continue as last reported.

CLUB NOTES.

It is pretty well assured that the attendance at the annual banquet on Saturday evening next will exceed fifty. Chairman Sheridan of the banquet committee is doing a good deal of hustling, and seems determined that this shall be the minimum. The outing committee of the club held its first meeting a few days ago, and completed its organization. Its officers are Wm. J. Elliott, chairman; Chas. Schenk, treasurer; and J. A. Shaw, secretary.

Abe Barnbaum, of 1106 Park avenue, has sold his stock and fixtures to J. Davill, who will open a store at One hundred and sixty-ninth street and Boston road.

A greenhouse costing \$12,000 will be built this spring in the Botanical Garden, Bronx Park, near the corner of Bronx and Pelham avenues.

A. Maltz has taken new quarters on the first floor of the Coogan building.

Chicago.

ROSES SCARCE—MARKET STEADY.

The market has shown a slight improvement over the conditions of last week, in point of demand and prices, but stock is shortening perceptibly and the American Beauty rose situation, especially, is growing brighter day by day. The scarcity of this line has boosted prices several notches, but high prices do not grow stock and commission men and growers alike are lamenting the shortage. Teas are keeping up well and there appear to be enough for all purposes. The quality of the roses being cut was never better at this season of the year. The shortage in carnations is confined to the white varieties which have been scarce. Good white stock brought as high as five cents during the early part of the week. Colored carnations are generally plentiful and are quoted from \$2 to \$4 per 100. Whites may be regarded as being among the "fancies" this week. The violet supply is increasing, especially singles, and prices remain firm. Bulbous stock has not that glutty appearance characterizing that line for the last three weeks, and Roman hyacinths and Paper White narcissi are rather scarce. McKinley day sales were disappointing and retailers report a general apathy on that day. Ferns have taken an upward turn in price and are quoted for the best stock, at \$3 per 1000. Shipping trade continues steady, but nothing phenomenal.

NOTES OF THE TRADE.

The special park commission of the city council has recommended in its annual report, eighty-four new parks, with a total acreage of 37,061. According to the report, the average of population to every acre of park ground is 617, instead of 100 persons, as it should be, although there has been a great improvement since 1900, when the special park commission was formed.

The botany students at the University of Chicago, conducted by Prof. H. C. Cowles of the botany department, will make a trip through Europe, including Scotland and Ireland, this spring, in search of rare plants.—Chicago Record-Herald, Jan. 28, 1905.

George Peipgras, of J. B. Deamud's met with an injury Sunday which will incapacitate him for some time. While boarding a moving Cottage Grove avenue cable car he slipped on the ice and was thrown on his head. His face was badly lacerated.

N. Weiland, formerly with Weiland & Risch, has embarked in the greenhouse business on his own account and will grow carnations exclusively at his range in Evanston. The entire cut will be handled by Weiland & Risch.

Charles McKellar reports an unusually heavy demand for orchids. A number of large funerals the past week called for large orders and Saturday there was not an orchid to be found unsold.

Notwithstanding the general shortage of American Beauty roses, Peter Reinberg is cutting heavily, and on Saturday he filled another order calling for 1,000 medium and long stemmed blooms.

A. Dietsch Company has erected another large building at the offices and yards on Sheffield avenue, to accommodate increasing business.

S. S. Skidelsky, who was confined to his hotel with the grip after the convention last week started on his travels again January 31.

There is no race suicide to Billy Kidwell's make-up. The latest addition to his family a girl, is the seventh.

Weiland & Risch are showing not only quality in their Bride and Bridesmaid roses, but also quantity.

George Reinberg has been cutting good Bridesmaid and Bride roses, with extra heavy stems.

The Grand Rapids Florists' Association reports a steadily increasing business.

J. B. Deamud is receiving choice California violets in large quantities.

E. F. Winterson Company has been receiving extra brand wild smilax.

Mrs. Leonard Kill has been very ill for a week.

Visitors this week were Alderman M. P. Dilger, of Waukegan, Ill., and Thomas Salvason, of Petersburg, Ill.

Philadelphia.

COLD WEATHER DEPRESSES BUSINESS.

Last week with its wealth of snow and cold winds, that were handed out continually, early, late and all the time, had a very depressing effect on business, which was about as bad as it could be for the season. There was no great quantity of flowers and the few which were cut the growers had great difficulty in getting to town. The carnation belt in Chester county was snowed in all week and it was Saturday before they could get their trains through the drifts. Shipments out of town were also much interfered with and the commission men had in some instances to wire their customers they could not ship. The stocks in all lines now coming in are fine. American Beauty roses are back to their early fall standard and some of the specials, notably Burton's, are extra fine. The top price for these is \$8 per dozen. Bridesmaid are a fine color but the percentage of weak stems is too large. There are some fair Golden Gate and enough Perle and Sunrise to get a man into trouble if he takes an order. Liberty is in good demand. Carnations are down a trifle, especially fancies. Enchantress is high at \$5 and \$6 is asked for Prosperity. Freesia moves lively. Adiantum is scarce; good spray asparagus is hard to get.

NOTES OF THE TRADE.

Harris has Golden Spur narcissi now by the ten thousand and can fill orders for almost any quantity. He has just filled an order for two dozen large lemon trees in flower for a wedding. At the Harris establishment they have the packing and handling of shipping orders down to a nicety. Over 400 cases were shipped at the Christmas holidays to all parts of the country and there was not a complaint from a single customer. In addition to a careful packing of each plant the express companies were requested and did notify their agents at destination of each particular shipment to be on the lookout and see that the plants did not suffer from frost and that they were delivered at the earliest possible moment. This precaution worked wonders and Mr. Harris has on file dozens of letters from customers expressing their great satisfaction with the speedy and safe arrival of their orders. Mark Mills, the foreman, said that it paid twice over and now that they have the system working successfully they do not see how it can fail.

Robert Craig's affairs are fast shaping to his satisfaction. Nearly all the creditors have either signed to accept 50 per cent. for a cash settlement or take the amount of their claims in stock of his company to be formed.

The curbstone carnation market of Thirteenth and Market streets has been broken up, the order having gone out from police headquarters that no fakirs are to be allowed street privileges.

S. S. Pennock is back from the Chicago carnation meeting and expressed himself as much pleased with what he saw.

The windows of the stores are now gay with azaleas, pots of daffodils, primulas and other blooming plants.

K.



CARNATION CONVENTION VISITORS AT CHICAGO CARNATION COMPANY'S ESTABLISHMENT JANUARY 27.

Boston.

Trade continues dull, there being but a small demand for any of the different varieties. The increased call for violets a week ago was but of short duration and the price has again slumped, so that it does not seem possible for any of the violet growers to make a profit. The snow storm of Wednesday killed the retail trade for the two following days so that business in all lines has been at a stand-still. The florists report that the storm, though one of the wildest of recent years, did but little damage, and so much snow fell that no difficulty was experienced in heating the houses. Paper White narcissi and Roman hyacinths which have been plentiful to the present time were scarce this week.

The following were in attendance at the convention of the American Carnation Society at Chicago: William Nicholson, of Framingham; Peter Fisher of Ellis; M. E. Patten, of Lowell; William Sim, of Cliftondale; E. Allen Peirce, of Waverly.

Wm. Sim, Cliftondale, Mass., is now wearing the smile that won't come off as the stork paid a visit to his home Saturday, January 21, and left a nine-pound girl.

Galvin furnishes the decorations for the subscription party of Mrs. H. B. Quincy at the Somerset hotel this week.

H. P. S.

St. Louis.

THE MARKET.

The market the last week improved considerably. On McKinley day, which occurred Sunday, January 29, the demand for carnations was enormous, pink and red being the leading varieties. Prices, of course, stiffened considerably, 3 to 5 cents being the prices for good stock. Roses have been very scarce in all varieties. White and pink were especially sought after the past week. Asparagus has been very scarce, and smilax and other greens move well. The weather has been very severe and transient trade has been slow, except Saturday and Sunday. Violets the past week were scarce and were cleaned up at \$5 per 1,000.

NOTES.

Joseph Houser met with a serious loss last Thursday night. Five houses of his range at Webster Grove were destroyed by fire. All of the stock was either frozen or burned. He carried no insurance, and a subscription list was started to aid him. He was recently in with a fine cut of violets and sweet peas, which are a total loss.

We regret to announce the death of little Robert Beyer, the three-year-old son of Robert Beyer. The little fellow was playing with matches in his father's greenhouse, when his clothing took fire. His father hastened to his aid and was severely burned himself. The boy died and was buried Saturday.

The meeting of the Florists' Club in February promises to be a very interesting affair, owing to the carnation exhibition of local and foreign growers. Some liberal prizes are offered, and it is to be hoped that some of our Kirkwood boys will get in line.

The plans for the restoration of Forest Park are fast coming to the front. It is proposed to retain the lagoons and lake, which lie adjacent to the Art Palace, which is also to be retained.

C. A. Kuehn reports trade as very

good the past week. Some fine carnations are coming into the market from Baer, of Peoria, Ill.

The St. Louis Globe Democrat purchased 500 fine Lawson carnations and distributed them to their employes McKinley day.

Geo. M. Kellogg, Pleasant Hill, Mo., and F. H. Fehr, of Belleville, Ill., were visitors the past week.

The Ellison Floral Company removes into its new store next week, opposite the old location.

Wm. Wundrack, for fifteen years with Wm. Schray & Sons, was married this week.

Alex. Siegel had an immense trade in carnations Saturday and Sunday.

Oscar Heile had a large violet decoration last week.

White carnations are very plentiful. W. F.

FLORISTS' CLUB CARNATION SHOW.

A carnation exhibition will be held at the Florists' Club meeting rooms on February 9, at 2 p. m., in Odd Fellows' building, corner Ninth and Olive streets. The club has offered \$50 in prizes; \$25 for outside growers, and \$25 for local growers. Blooms are to be judged by points, according to the rules of the American Carnation Society. Growers of new varieties are requested to send exhibition blooms. Stock should be sent prepaid to any of the St. Louis wholesale dealers: C. A. Kuehn, 1122 Pine street; F. M. Ellis, 1316 Pine street; H. G. Berning, 1402 Pine street.

Premiums are offered as follows, the latter section including club members:

FOR OUTSIDE GROWERS.

	1st	2d	3d
Best 50 blooms, white.....	\$3.00	\$2.00	\$1.00
Best 50 blooms, pink.....	3.00	2.00	1.00
Best 50 blooms, red.....	3.00	2.00	1.00
Best 50 blooms, any other color	4.00	2.00	1.00

FOR LOCAL GROWERS.

	1st	2d	3d
Best 50 blooms, white.....	\$3.00	\$2.00	\$1.00
Best 50 blooms, pink.....	3.00	2.00	1.00
Best 50 blooms, red.....	3.00	2.00	1.00
Best 50 blooms, mixed colors	4.00	2.00	1.00

Blooms must be grown by exhibitor. All prize-winning blooms become the property of the club. Exhibitors should advise Secretary Emil Schray, 1401 Pennsylvania avenue, what disposal to be made of blooms not taking a prize, also those sent for exhibition only.

Washington.

THE MARKET.

The society events of the past week called for a large quantity of good stock. Roses, carnations, lily of the valley, lilac, tulips and a variety of other stocks are being freely used. The bulk of the best roses is coming in from Philadelphia, and also many good carnations. The local growers are making a very creditable showing in bulb stocks, lily of the valley and Marie Legraye lilac. The blizzard weather had a depressing effect on transient trade, several days in the earlier part of the week being so cold that but few people ventured out, aside from those compelled to do so. Were it not for the entertaining, which puts ginger into the market, trade would be at a low ebb. Cut lilac brings from \$3 to \$4 per bunch and large pots of Marie Legraye bring about the same price. Freesia is fairly plentiful both in pans and cut, selling in the latter form at 50 cents per bunch. There are plenty

of good violets, but unfortunately the weather is not favorable for their use.

NOTES.

On the night of January 28, the Grid-iron Club celebrated its twentieth anniversary with a banquet at the New Willard. The decorations were elaborate and were executed by Sinall.

David Bissett, who has for some years grown violets of fine quality, at Garrett Park, Ind., will this year erect another house and grow Enchantress and Lawson carnations.

The proprietors of the Tuxedo violet houses are out with a nice little book which contains interesting information.

Assistant Superintendent Reynolds of the Botanic Gardens, is on duty again after an illness of four months.

S. E.

Utica, N. Y.

Frank McGowan has purchased the Sunset greenhouses on Sunset avenue. The range consists of 18,000 feet of glass. Mr. McGowan was formerly of New Hartford, N. Y.

The Utica Florists' Club will hold its annual carnation meeting February 16. The committee has everything in readiness for a successful meeting.

J. C. Spencer and Henry G. Martin have formed a partnership and on February 10 will open a store at 221 Genesee street.

BUD.

Indianapolis.

Smith & Young Company intends building on the new place near Cumberland, having closed a contract for 700 boxes of glass. Mr. Sonnenschmidt will have charge of the new branch, while Mr. Junge and the violets will continue at the old stand. Their new property consists of twenty-five acres and was bought of T. Huntington, of Huntington & Page. It is the piece of land on which the latter started their onion set industry, representing but a small fraction of the total acreage devoted to that branch of their business.

A. Wiegand is planning a trip to the Pacific coast.

Worcester, Mass.

Business continues good, and good stock is plentiful with the exception of roses. American Beauty and Liberty are especially scarce. Bulbous stock is coming in in good supply, and the narcissi are very fine.

The society event of the season was the Thayer-Goulding wedding, which called for lavish decorations. Lange was the artist.

A. H. L.

HOUGHTON, MICH.—The Lutey Floral Co., with greenhouses at Castile and Calumet, went into involuntary bankruptcy last week, J. Holman, Receiver.

VERGENNES, VT.—The Vermont State Horticultural Society will hold its annual meeting here February 9 and 10. Prof. L. H. Bailey of Cornell University, will be one of the speakers.

The Best Paper.

AMERICAN FLORIST Co.:—Enclosed find \$1, for which kindly extend my subscription to the AMERICAN FLORIST. It is the best paper of the kind I receive.

A. H. CHILSON.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent; 25 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at \$1 00 per inch, net.

The advertising Department of the AMERICAN FLORIST is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send the old address at the same time.

COLD weather in the south of France has caused considerable loss to flower growers.

THE tariff reduction on glass must not be overlooked or forgotten. Every buyer of glass should write his congressman a personal letter.

Geranium Glorious—Mrs. Hayes.

ED. AM. FLORIST:—In reference to Geranium Glorious illustrated in your last issue, I wish to state that the plants Mr. Lonsdale sent us last fall, of Geranium Glorious, are identical with the variety Mrs. Hayes, which we have grown since we started in business. We believe it to be one and the same thing, though we will grow them side by side next year and report any difference. So far we have been unable to detect the slightest. HENRY EICHHOLZ.
Waynesboro, Pa.

Dividing Cypripediums.

ED. AM. FLORIST:—What is the best time to divide cypripediums and how should they be treated after they are done blooming? G. M.

As soon as cypripediums have done blooming is a good time to divide them, if it is advisable that they should be divided. But in my experience I have thought that larger clumps of cypripediums are more profitable to grow as cut flowers than a larger quantity of smaller plants. If it is a number of plants that is required, they may be divided at any time now and potted in live sphagnum moss and that class of peat which is composed of the roots of osmunda. The pots should be well drained with crocks and charcoal, filling the pots to within a third of the rim. A night temperature of from 60° to 65° will suit them in this condition all right, and they should be well watered. E. L.

Scales Infest Kentias.

ED. AM. FLORIST:—My kentias are infested with scales as per enclosed. Please give me a remedy. A. V.

The safest and surest method for cleansing kentias from scale insects if the plants are badly infested, is by careful sponging with strong soap solution, or with lemon oil or fir tree oil. The scales may be removed with less

rubbing, and consequently less liability of injury to the leaves if the plants are given a dipping in the soap solution a few hours before they are sponged. It is advisable, however, that the plant should be laid upon its side after having been dipped in order to prevent the soap or other insecticide from draining down into the heart of the plant, too much soap being liable to ruin the young and unexpanded leaf in the center of the plant. Having cleaned the plants thoroughly, regular fumigating with nicotine will do much toward preventing a recurrence of the trouble.

W. H. TAPLIN.

That Misfit Glass Tariff.

ED. AM. FLORIST:—The letter of Elmer D. Smith on this subject, in your issue of January 21, is worthy the attention of every florist. One cannot but admire the courage and optimism which must inspire Mr. Smith to work for and hope for reform from that dominant party so overwhelmingly continued in power on a "Stand pat" platform.

Mr. Smith's convictions of the wrong done to our craft under the present regulations demand our aid. It is no doubt true that if every subscriber or reader of the AMERICAN FLORIST would write his congressman protesting against this support of the glass trust, against this payment of two prices to support an "infant industry" which was really a giant infant at the time it was given the added support of the last tariff, a strong beginning would be made. In this connection, it is a sign that even senators can hear, when an old war horse like Senator Platt of Connecticut, introduces into the senate a protest from his state against the unholy free seed distribution.

J. C. VAUGHAN.

The Senate Hears a Far Cry.

The free seed humbug has received consideration at the hands of the United States senate. Momentary, it is true, yet of the right kind. It remained for a modest local grange in the Nutmeg state to insist that Senator Platt present an anti-free seed resolution to those so largely responsible for this hoary fraud. The significant thing is that the senate was forced to take even this much cognizance of it, and to hear Senator Platt's accompanying remark, "I think the resolution represents pretty fairly the sentiment among the agriculturists in Connecticut in opposition to the present governmental distribution of seeds." True not only of that state, but of Illinois and Ohio, and of other sections, far and wide, where the opinion prevails that a wiser use might well be made of the people's money.—American Agriculturist.

American Rose Society.

We are in receipt of advance sheets of the list of premiums to be offered at the annual exhibition of the American Rose Society, to be held in connection with the spring exhibition of the Massachusetts Horticultural Society at Boston, Mass., March 23 to 26 inclusive. Liberal provision is made for all possible exhibitors, and many valuable special prizes are offered. The Lord & Burnham trophy, valued at \$250 and presented by the Lord & Burnham Company, will be awarded in conjunction

with the first cash prize for fifty American Beauty roses and will become the property of the competitor winning it, consecutively or otherwise, twice thereafter. Exhibits sent from a distance should be addressed to J. K. L. M. Farquhar, Horticultural Hall, Boston, Mass., and the express charges must be prepaid.

For further particulars see prize list, to be had on application to Secretary Wm. J. Stewart 11 Hamilton Place, Boston, Mass.

Leaking Boiler Flues.

ED. AM. FLORIST:—Two years ago we renewed one-half of the tubes in our boiler and last year the remainder. Some of the two year old tubes are now leaking. Our greenhouse establishment consists of a house 20x80 feet, with a wing 20x50 feet. The flow pipe is raised well above the boiler, but the return coils are not much above the top of the boiler. The circulation is sluggish. We cannot very well lower the boiler and wish to have any suggestions that may help us out of the difficulty. K. B.

It is not stated what causes the leaking of the boiler tubes. Certainly the tubes themselves should still be in good condition and if the work was properly done there should be no leaks. The rapidity of the circulation is governed largely by the height of the return pipes above the top of the boiler. If the boiler cannot be lowered, it may be possible to slightly raise the return pipes. The best circulation is secured when the flow pipes are of good size and rise at once to the highest desirable height. They should be carried to the farther end of the house with a fall of about one inch in twenty feet and there connected with the return pipes. L. R. T.

To Dye Faded Lycopodium.

To dye dry or faded lycopodium a mineral green is used, costing about \$3 per pound. Half a teaspoonful of the dye to a wash boiler about three-fourths full of hot water thoroughly dissolved makes the solution into which the green should be dipped. After dipping fifteen or twenty bunches of the green add more water, also about the same proportion of additional dye. Spread the bunches in a warm place to dry.

Pipe Clay.

If the correspondent who wrote us some time ago regarding kaolin white pipe clay, black pipe clay, fine ground chalk and plaster of paris, will apply to any of the following addresses he can secure the desired materials: I. Mandle, 3943 Pine street, St. Louis, Mo.; Roessler & Hasslacher Chemical Company, 100 William street, New York; John Sant, East Liverpool, O.

Meetings Next Week.

[Secretaries of societies are requested to send us advance information of special meetings, and of changes in dates of regular meetings.]

Boston, Mass.—Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, February 11, at 11 a. m. Lecture on "Dwarf Fruit Trees, Their Uses, Propagation and Management," by Prof. F. A. Waugh.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, Friday, February 10.

Chicago.—Chicago Florists' Club, Handel Hall, 40 Randolph street, Thursday, February 9, at 8 p. m.

Cincinnati, O.—Florists' Society, Elliott Flower Market, Friday, February 11, rose night and exhibition.

Denver, Colo.—Denver Floral Club, 323 Charles Block, Friday, February 10, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, Tuesday, February 7, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, Friday, February 10, at 8 p. m.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial Club rooms, Tuesday, February 7, at 7:30 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall, Wednesday, February 8, at 7:30 p. m.

Madison, Wis.—Wisconsin State Horticultural Society, February 7, 8 and 9. Annual meeting.

Milwaukee, Wis.—Milwaukee Florists' Club, Empire Building, West Water and Grand avenue, Tuesday, February 7.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, February 6.

New Bedford, Mass.—New Bedford Florists' Club, Thursday, February 9.

New Haven, Conn.—New Haven County Horticultural Society, Tuesday, February 7.

New London, Conn.—Gardeners' and Florists' Club, at greenhouses of Secretary H. H. Appeldorn, Tuesday, February 7.

New York.—Florists' Club banquet at the St. Denis hotel, February 4.

Oceanic, N. J.—Monmouth Horticultural Society, annual ball, February 10.

Omaha, Neb.—Nebraska Florists' Society, Thursday, February 9, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce, Tuesday, February 7, at 8 p. m.

Pittsburg, Pa.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue, Thursday, February 9, at 8 p. m.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Thursday, February 9, at 8 p. m.

Salt Lake City, Utah.—Salt Lake Florists' Society, Friday, February 10.

St. Louis, Mo.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets, Thursday, February 9, at 2 p. m.

Tuxedo, N. Y.—Tuxedo Horticultural Society, Tuesday, February 7.

Washington, D. C.—Washington Florists' Club, Schmidt's Hall, 516 Ninth street, Tuesday, February 7.

Worcester, Mass.—Worcester County Horticultural Society, Thursday, February 9, at 2:30 p. m. Lecture on "An Afternoon with the Horticulturist's Best Friend, the Birds," by Mrs. Amy Barnes Maynard. Illustrated by water-color paintings.

Kokomo, Ind.—W. A. Bitler is building an addition 10x50 feet, to keep pace with steadily increasing trade.

OBITUARY.

Charles A. Keyes.

Charles A. Keyes, nearly fifty years a resident of Worcester, Mass., and one of the most widely known florists in the city, died last week after five days' sickness with congestion of the kidneys and pneumonia, aged seventy-six years. The deceased was born in Northboro, a son of Sampson and Elizabeth Keyes. He got his early education and remained in the town of his birth until 16 years of age, when he left home to teach writing. Later he devoted his energies to the study of painting and graining, at which he became an expert. He followed that business until 1875, in which year he started a floral business on Highland street. Mr. Keyes was married when twenty-six years old to Miss Lora Chandler, in Blackstone, removing to Worcester shortly after the ceremony. The couple remained in Worcester, Mrs. Keyes dying eleven years ago. Mr. Keyes was interested in all branches of agriculture and horticulture, and was an active worker in the interests of the Worcester agricultural and horticultural societies. He leaves five children.

Preston William Gillette.

Preston William Gillette, of Portland, Ore., died January 21, from an attack of neuralgia of the heart, after a brief illness. A widow and one son survive him. Mr. Gillette was born in Lawrence county, Ohio, June 2, 1825. His father was a nurseryman, and, after acquiring a common school education, the young man learned the same business. He moved to the coast in 1852, and in 1853 settled in Clatsop county, where he conducted the nursery business. With possibly one exception he was the first to introduce cultivated strawberries, Hovey's seedling, and the red and yellow Antwerp raspberries. It is believed he brought the first collection of ornamental plants to Oregon, such as lilacs, honeysuckles, etc. Aside from the Mission rose there was but one other cultivated rose in Oregon prior to the stock he secured from the east in 1853. He was a member of the legislature from Clatsop county during the sessions of 1862-64. He removed to Portland in 1867 and became prominently identified with the business interests of that city. He was married in 1888 to Miss Mary McCabe.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—By an experienced grower of roses, carnations and 'mums; Swede. State wages. Box 140, care American Florist.

Situation Wanted—By a florist, German, single, middle aged, good experience in all departments; pot plants a specialty. References. Address Box 136, care American Florist.

Situation Wanted—By a practical florist; German, 15 years' experience. Best references if required. G. BANTEL, 4340 Chouteau Ave., St. Louis, Mo.

Situation Wanted—On a private or commercial place by an experienced young gardener, single, references. Address M H, 749 No. Campbell Ave., Chicago.

Situation Wanted—By first-class florist, German, 33; cut flowers, palms, decorative and bedding plants; as foreman or to take charge of commercial or private place. Address E B 38, P. O. Boston, Mass.

Situation Wanted—By German, 33, in retail florist store; life experience; decorator, designer, etc. Able to take charge. Best reference. Last position, 3 years. Address E H, Box 245 Spencer, Mass.

Situation Wanted—By gardener and florist, single, age 29, on private place where practical man is required; life experience in greenhouses, landscaping, vegetables. Best of references. GARDENER, 527 Courtland St., New York City.

Situation Wanted—By practical florist; 18 years' experience in cut flowers and plants for catalogue trade. Lorraine begonias a specialty. Strictly temperate: 4 years in last place; married, age 35. Massachusetts preferred. Address Box 133 American Florist.

Situation Wanted—By first-class florist, German, single, 36 years of age, grower of roses, carnations, 'mums, violets, bulbs and all kinds of bedding plants, also a good propagator; able to take charge. Address Box 146, care American Florist.

Situation Wanted—By a practical florist, 20 years' experience in growing bedding and tropical plants; can take charge of commercial or private place; married, German, 40 years of age. State wages paid. Address Box 143, care American Florist.

Situation Wanted—By young married man, as gardener or florist for either private or commercial place thoroughly competent in all branches of the trade in greenhouse or garden, either landscape fruit or vegetable; 18 years' experience; first-class references given. Address E P, 6040 Chicago Ave., Oak Park, Ill.

Wanted—Smart agent calling regularly upon the trade to take up the sale of lily of the valley pips for a reliable German grower. Address Box 145, care American Florist.

Help Wanted—An A No. 1 rose grower. Address with full particulars. G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Help Wanted—Young man with some experience as decorator and store man. Address OCEAN PARK FLORAL CO., Ocean Park, Cal.

Help Wanted—We want a live young man for our Poultry Supply Department. State full particulars. VAUGHAN'S SEED STORE Chicago.

Help Wanted—A good florist who can grow American Beauty, Liberty, etc., sober and not afraid to work. Address FRED HALL, Montclair, Colo.

Help Wanted—An order clerk and store salesman, one with a good knowledge of flower seeds and plants preferred. Apply, stating age, experience, etc., to HENRY A. DEBER, 714 Chestnut St., Philadelphia, Pa.

Help Wanted—A good all-around florist, one looking for an opening to start business for himself preferred; also man for lawn work on private place. Good wages. Address LEWIS THE FLORIST, Pontiac, Mich.

Help Wanted—Man thoroughly familiar with growing decorative plants commercially, who is willing to go to Porto Rico; one who has some capital preferred. Address WM. C. SMITH, San Juan, Porto Rico.

For Sale—Retail flower store; good location, Chicago. Box 131, care American Florist.

For Sale—Five-acre tract of land, two houses, barn and greenhouse in flourishing town of 4,000 in southwestern part of Ohio. Good chance to do nice business, no competition. Address THE WAYNE SPECIALTY WORKS, Milton, Ind.

For Rent—At Frederick, Md., greenhouses 18x63, 1x107 20x162, boiler room 18x60 equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap. City water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. HENRY TRAIL, Frederick, Md.

UNUSUAL OPPORTUNITY.

For Sale—Greenhouse property, stock and retail business, consisting of eight greenhouses and store, about 22,000 feet of glass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philadelphia, right in center of a growing population. Doing a first-class retail business. A splendid opportunity; only \$3,500 cash required, remainder can remain on mortgage at 5 per cent. To close an estate. Box 144, care American Florist.

Pittsburg.

WEATHER AFFECTS TRADE.

Business is trying to be good, but the continuous severe weather blocks the transient sales to a considerable extent, thus compelling a great bulk of the trade to be carried on by telephone. The sale of carnations for McKinley day was far below expectations. The weather undoubtedly had much to do with the lack of interest.

NOTES.

W. A. Clark, Fred Burki and J. L. Wyland have returned from the carnation convention at Chicago and praise each detail of what they state to be the finest carnation meeting ever held.

It is important that every member of the Florists' Club be present at the meeting which will be held February 7. Election and other things are scheduled.

The Florists' Exchange reports trade conditions as fine, but the supply of medium quality stock is insufficient to meet the demand.

The death of Charles Lockhart, one of Pittsburg's millionaires, created a great demand for flowers Friday and Saturday.

Butz Brothers, of New Castle, have given calla lilies a good deal of space, and they are proving a paying investment.

Visitors: S. S. Pennock, Wm. Swayne, and Martin Reukauf, of Philadelphia, and Charles P. Braslan, of San Jose, Cal.

W. C. Drews, of Braddock, has taken in a partner and has changed the firm name to the Braddock Floral Company.

J. B. Murdoch & Company's Wilkins avenue plant was damaged by fire last Sunday night.

W. B. Flemm is still confined to his home, where he has been for the past three weeks.

The Valley Greenhouses, of Sewickly, are sending fine Harrisii lilies to this market.

Sidney Gibbs is in the front rank with his carnations, hyacinths and stevia.

J. B. Murdoch & Company have been disposing of a great number of cat-tleysas.

The Pittsburg Cut Flower Company states that business is remarkably good. Charles Hoffmeyer, of Carnegie, is cutting fine Enchantress carnations.

John Baldinger has entirely recovered and is back at work again.

V. Greer has opened a retail store in his own building at McKeesport.

The Barton Floral Company, Uniontown, Pa., reports a busy week.

C. J. Fuchs reports business on the south side good. E. L. M.

Lowell, Mass.

With the lengthening of the days the supply of flowers is rapidly on the increase, and at no other time this month has the supply been as great as it is at present. To make matters more perplexing, business has fallen off considerably, and is now practically at a standstill. The cut flower end has suffered greatly owing to the blizzards. Some of the growers who are located away from the steam and electric roads were completely buried and could not reach town for several days. An influx of bulbous stock has caused roses and carnations to take a tumble in price. John Oliver is able to be out after

being confined to his home for several months. He had the misfortune to fall out of a tree while pruning, last fall, breaking his ankle.

Harvey B. Green was seen in a new role one evening last week. He gave a very interesting lecture on the "Geysers of Yellowstone Park" to a large audience at the People's club.

M. A. Patten, of Tewksbury, returned from the carnation convention at Chicago much pleased with what he saw.

Mr. McMuley, representing Sigmund Geller, New York, was in town last week. A. M.

Davenport, Ia.

Business for the past two weeks has been very brisk owing to the great amount of funeral work. Midwinter graduation exercises also called for many flowers. The weather for the past week has been very severe, being below zero almost every night, with brisk winds.

The midwinter flower show at Central park conservatories is now at its height. The central bench of the show house is filled with several hundred cinerarias, perfect specimens, some measuring nearly three feet across. The side bench contains 500 cyclamens, in 5, 6 and 7-inch pots, with a border of primroses. Superintendent Arp and his assistants can be justly proud of their show.

Andrew Bahr, one of the oldest florists in the three cities, is still to be found at the old stand. His specialty is roses, and they are looking as fine as usual this winter. Mr. Bahr has no use for raised benches, and grows all his roses in solid beds. On January 26 he was still cutting nice white chrysanthemums, the Queen.

Theo. Ewoldt and John Temple had figured on attending the carnation meet in Chicago, but as a blizzard was on hand at the time for departure, they thought best to stay at home and look after the fires. TED.

Montreal.

Trade was very bright during the governor-general's visit. Red roses were scarce. Several florists are bitterly complaining about western wholesale growers not accepting special orders for cut flowers, just filling standing orders.

On January 24 the board of trade gave a grand reception to Earl and Lady Gray, the new governor-general of Canada and his wife. The reception hall was decorated by S. S. Bain and the dining room by P. McKenna & Son. The decoration for the public reception was a grand display of floral art by Mr. Pinoteau, city gardener. LUCK.

JACKSON, MISS.—W. J. Brown, Jr., had his greenhouses and contents destroyed by fire January 25. Loss \$1,500; insurance \$500. Although badly demoralized, he is still in the ring.

Meetings of Florists' Clubs.

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Sec'y, 505 N. Eutaw street.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month, October to March inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 383 Ellicott street. Second Tuesday of each month, at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware avenue, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Sec'y, W. Galena and Excelsior streets.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Thursday of each month, at 8 p. m. Robert Johnstone, Sec'y, 2361 N. Fortieth Ave., Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. Geo. Murphy, Sec'y, Sta. F., Cincinnati, O.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Sec'y, West Park, O.

DAVENPORT, IA.—Tri-City Florists' Club, meets in Davenport, Rock Island and Moline, alternately, second Thursday of each month. H. Meyer, Rock Island, Ill., Sec'y.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Sec'y.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Ferran and Gratiot avenue. First and third Wednesday of each month at 8 p. m. J. F. Sullivan, Sec'y, 214 Woodward avenue.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stever, Sec'y, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster, Sec'y.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Friday of each month at 8 p. m. W. W. Hunt, 80 Ann street, Hartford.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 7:30 p. m. Fred. Huckle, Indianapolis.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Sec'y.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month in Empire Building, West Water and Grand ave. H. V. Hunkel, Sec'y, 462 Milwaukee street.

MINNEAPOLIS, MINN.—Minneapolis Florists, Latham's Conservatory, 83 S. Tenth Street. First Friday of each month, at 8 p. m. R. A. Latham, Sec'y.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H. Horobin, Sec'y, 23 Closse street.

NEW BEDFORD, MASS.—New Bedford Florists' Club, second Thursday of each month. Wm. P. Pierce, Sec'y.

NEW LONDON, CONN.—Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldorn, Sec'y.

NEW YORK, N. Y.—New York Florists' Club, Grand Opera House Bldg., 8th avenue and 23d St. Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska Florists' Society, City Hall. Second Thursday in each month at 8 p. m. Louis Henderson, Sec'y, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Sec'y, Wyndmoor, Philadelphia.

PITTSBURGH, PA.—Pittsburgh and Allegheny Florists' and Gardeners' Club, 423 Sixth Avenue. Second Thursday of each month, at 8 p. m. H. P. Joslin, Sec'y, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Wm. E. Chappell, Sec'y, 333 Branch avenue, Providence.

RICHMOND, IND.—Richmond Florists' Club, at the greenhouses of members. Third Monday of each month. H. C. Chessman, Sec'y.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Society, office of Huddart Floral Company, 214 E. Second South street. Second and fourth Friday of each month. P. T. Huddart, Sec'y.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thos. H. Munroe, Sec'y.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 2 p. m. Emil Schray, Sec'y, 4101 Pennsylvania avenue, St. Louis.

SEATTLE, WASH.—Seattle Commercial Horticultural Club, First and Cherry streets. At call of the president. Wm. Hopkins, Sec'y, Fifth and Galer streets.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. E. F. Collins, Sec'y, 2 Hurst place, Toronto.

UTICA, N. Y.—Utica Florists' Club, 183 Genesee street. First Thursday of each month at 8 p. m. J. C. Spencer, Sec'y.

WASHINGTON, D. C.—Washington Florists' Club, Schmidt's hall, 518 Ninth street, N. W. Meets first Tuesday in each month. Peter Biset, Sec'y.

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Trade package, white or pink, \$1.00.
 ¼-oz., white or pink, \$2.50.
 ½-oz., white or pink, \$4.50.
 1-oz., white or pink, \$8.00.

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 Prov. of Ontario.

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36-Inch stem	\$4.00 to \$5.00
30-Inch stem	3.00
24-Inch stem	2.50
20-Inch stem	2.00
16-Inch stem	1.50
12-Inch stem	.....	1.25

ROSES.		Per 100
Bride and Maid	.....	\$ 6.00 to \$10.00
Meteor and Gate	.....	6.00 to 10.00
Liberty	.....	6.00 to 12.00
CARNATIONS—Good stock		2.00
" Large and fancy		3.00 to 4.00

Wholesale Flower Markets

MILWAUKEE, Feb. 2	
Roses, Beauty, long, per doz.	5.00
" " med.	2.00@ 3.00
" " short	1.00
" Liberty	5.00@ 12.00
" Chatenay	4.00@ 12.00
" Bride, Bridesmaid	3.00@ 10.00
" Meteor, Golden Gate	3.00@ 10.00
" Perle	3.00@ 8.00
Carnations	2.00@ 4.00
Smilax	12.50@ 15.00
Asparagus sprays	2.00@ 3.00
Valley	2.00@ 3.00
Adiantum	1.00@ 1.50
Violets	.50@ 1.00
Callas	12.50@ 15.00
Romaos, Paper Whites	2.00@ 3.00
Tulips	3.00@ 4.00
Harrisii	10.00@ 15.00

PITTSBURG, Feb. 2	
Roses, Beauty, specials	5.00@ 6.00
" " extras	3.00@ 4.00
" " No. 1	1.00@ 2.00
" " ordinary	8.00@ 10.00
" Bride, Bridesmaid	3.00@ 18.00
" Meteor	6.00@ 10.00
" Liberties	6.00@ 15.00
" Kaiserin	4.00@ 0.00
" Perle, Chatenay	3.00@ 8.00
Carnations	.75@ 6.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@ 15.00
Asparagus, strings	25.00@ 50.00
Asparagus Sprenger	2.00@ 3.00
Lilies	20.00@ 25.00
Adiantum	1.00@ 1.50
Violets	.30@ 1.50

CINCINNATI, Feb. 2	
Roses, Beauty, per doz.	1.00@ 4.00
" Bride, Bridesmaid	4.00@ 10.00
" Liberty	8.00@ 15.00
" Meteor, Golden Gate	8.00@ 12.00
Carnations	2.00@ 6.00
Lily of the valley	3.00@ 4.00
Asparagus	.50 00
Smilax	10.00@ 12.50
Adiantum	1.00@ 1.50
Callas	10.00@ 12.50
Asparagus Plumosus and Sprenger	
in bunches	.25c per bunch
Harrisii	15.00
Romaos, narcissus	3.00
Violets	.75@ 1.00

St. Louis, Feb. 2	
Roses, Beauty, long stem	4.00@ 6.00
" " medium stem	2.00@ 3.00
" " short stem	.50@ 1.50
" Bride, Bridesmaid	5.00@ 10.00
" Golden Gate	5.00@ 10.00
" Liberty	5.00@ 10.00
" Kaiserin	5.00@ 10.00
" Meteor	5.00@ 10.00
Carnations	2.00@ 5.00
Smilax	15.00
Asparagus Sprenger	1.50@ 3.00
Plumosus	25.00@ 0.00
Ferns, fancy	per 1000, 2.00
Adiantum	1.00@ 1.25
Violets, California	.50@ .75
" Double	.75@ 1.00
Lily of the valley	3.00@ 4.00
Romaos	2.00@ 3.00
Callas	12.50@ 15.00
Paper White narcissus	3.00

CLEVELAND, Feb. 2	
Roses, Beauty, per doz.	1.00@ 6.00
" Bride, Bridesmaid	4.00@ 10.00
" Meteor	4.00@ 10.00
Carnations	2.00@ 6.00
Smilax	10.00@ 15.00
Asparagus, strings	25.00@ 50.00
" Sprenger	1.00@ 2.00
Galax	1.00@ 1.50
Common ferns	2.00
Violets, single	.50@ 1.00
" double	1.25
Paper Whites	3.00@ 4.00
Valley	3.00@ 4.00



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15-inch stems	1.50
12-inch stems	1.25
Short stems75@ 1.00

		Per 100
LIBERTY	\$3.00 to 15.00
CHATENAY	.....	8.00 to 12.00
MAIDS AND BRIDES	6.00 to 10.00
PERLE	6.00 to 8.00
UNCLE JOHN	6.00 to 12.00
SUNRISE	6.00 to 10.00
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BOSTON, Feb. 2.

Roses, Beauty, best	35.00@60.00
" " medium	30.00@45.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Extra	8.00@12.00
" Liberty	1.00@ 8.10
Carnations	1.50@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	3.00@ 4.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, Feb. 2.

Roses, Tea	8.00@'0.00
" extra	12.00@15.00
" Liberty	8.00@35.00
" Queen of Edgely, extra	40.00@60.00
" frats	15.00@25.00
" Beauty, extra	40.00@60.00
" frats	15.00@25.00
Carnations	1.50@ 6.00
Lily of the valley	3.00@ 6.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.50@ .75
" double	.75@ 1.00
Adiantum	.75@ 1.00
Gardenias	.35@ .50
Mignonette	3.00@ 8.00

BUFFALO, Feb. 2.

Roses, Beauty	10.00@60.00
" Bride, Bridesmaid, Meteor	2.00@12.00
Carnations	2.00@ 4.00
Harrisli	15.00
Lily of the valley	3.00@ 5.00
Asparagus, strings	40.00@60.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	15.00
Violets	.50@ 1.25

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Roses, Beauty, best.....	15 00@75.00
" " medium.....	3 00@10 00
" " culls.....	1 00@2 00
" Liberty, best.....	10 00@5 00
" " medium.....	3 00@10 00
" " culls.....	2 00@3 00
" Bride, Bridesmaid, G. Gste.....	2 00@15 00
" Kaiserin, Carnot.....	1 50@10 00
Carnations.....	2 00@3 00
" fancy and novelties.....	3 00@6 00
Lily of the valley.....	1 00@4 00
Lilies.....	6 00@10 00
Smilax.....	5 00@10 00
Adiantum.....	10@50
Asparagus.....	20 00@50 00
Gerdsals.....	2 00@10 00
Violets.....	.30@.75

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Valuable to Employers and Employees.

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Helena, Mont. CHARLES O. HORN.

Fancy White Lilac \$1.50 per Dozen

On account of the extra demand we had to refuse last week quite a large number of orders on **WHITE LILAC**. The cut which is now ready we think large enough to supply all orders and the quality is the best of the season. : : : : : : :

Fancy Lily of the Valley Long stems, large bells, strictly fancy stock, \$4 per 100.

LaReine Tulips Long stems, plenty of color. The best the market affords, \$4 per 100. Short Tulips, \$3 per 100.

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Fancy Mignonette \$6 to \$10 per 100.

Carnations A fine assortment of extra well grown stock and many fancy varieties. | **Roses** Extra fine, especially in Bride and Bridesmaid.

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Contains 412 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

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SPECIAL FACILITIES FOR HANDLING LARGE ORDERS.
WRITE, WIRE OR PHONE.

E. A. BEAVEN, - - Evergreen, Ala.

And Florists' Hardy Decorative Supplies.
Prices Right.

Cleveland.**MARKET SHOWS TONE.**

Business for the past week has been better than any time since the holidays. Something of the old time snap and vim was noticeable and stock was cleaned up every day with hardly enough to go around. Roses were very scarce, good stock bringing \$10 per 100. American Beauty is decidedly off crop. Meteor is becoming more plentiful with demand rather light. McKinley day brought a great demand for red and dark pink carnations. It is estimated that more than double the quantity were disposed of this year than last, which goes to show McKinley day will become an important factor hereafter in the carnation market. Violets are moving a little better and good tulips find ready sale.

NOTES.

At John Merkle's place the same condition, of things prevailed. Carnations are grown on an extensive scale; all the new varieties of any merit are tested. A bench of White Lawson was very good and gives promise of being a very good thing. Boston Market is also grown and is considered one of the best. His new 300-foot house which was such a sight in the fall with bloom, was partially off but from the healthy condition of the plants an immense crop will be cut later.

The writer took a trip to Mentor lately and found everything among the growers looking in fine condition. Carl Hagenburger's place never looked in better shape than at present. His carnations are in the pink of condition. Lawson and Enchantress are the principal ones grown for pink; Boston Market is considered the best white and several of the newer kinds are being tested with varying success. Boston ferns are grown in abundance also lilies and lilacs.

At A. Graham & Son's place are a number of carnation houses that are well worth seeing. Enchantress and Lawson carnations are fine. Everything is grown for a big retail trade. The special brand of lilies grown are as fine. They remind one much of the old time Harrisii as grown twenty years ago.

Mrs. A. Graham and son, Edward, have gone to Hot Springs for a protracted stay. **ECHO.**

Denver.

Business remains about the same. Bulb stock is coming in very plentifully, such as tulips, lilies of the valley, Paper White narcissi, and they are very fine.

Mrs. Johnson, of Boulder, Colo., expects to close a deal on her greenhouses and turn them over to Mr. Fawcett. Mr. Fawcett is an old-time florist. He was formerly engaged in the florist business in Washington, D. C. Mrs. Johnson has started a retail store in Pueblo and seems to be doing very well.

Daniels & Fisher will have some good wedding decorations in the next two weeks.

PLATTE.

HARDY CUT DAGGER AND FANCY FERNS.

We carry the finest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are **DAGGER**, \$1.50 and **FANCY FERNS**, All quality, \$1.50 per 1000. Discount on larger orders. **BRILLIANT BRONZE** and **GREEN GALAX**, \$1.00 per 1000. **Laurel Festooning** good and full, handmade 5c and 6c per yd. **Green and Sphagnum Moss**, \$1.00 per bbl. **Sphagnum Moss**, 50c per bag; 5 bags, \$2.00. **Ivy Leaves**, \$4.00 per 1000. **Sprengerii**, 25c and 50c per bunch. **Asparagus Plumosus**, 50c per bunch or string. **Leucothoe Sprays**, \$1.00 per 100; \$7.50 per 1000.

We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cypas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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Write, Wire or Phone the Introducers,

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Fancy or Dagger Ferns, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$3.50 per case of 10,000. **Laurel Festooning**, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. **Branch Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



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Please mention the American Florist when writing.

**HEADQUARTERS FOR
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BRAND****Wild Smilax**

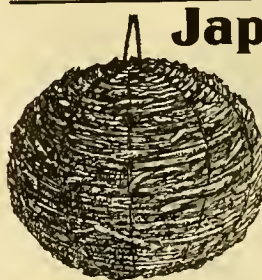
25 pound case.....\$3.00
35 pound case..... 4.00
50 pound case..... 5.00

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IN ANY QUANTITY.

NONE BETTER.

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CHICAGO.

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**Japanese
Fern
Balls**

5 in. and 7-9 in.
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14 Barclay St., **NEW YORK.**

TO BUY OR SELL

Advertise in THE AMERICAN FLORIST.

DREER'S SPECIAL OFFER OF FORCING PLANTS FOR EASTER.

Azalea Madame Van der Cruyssen.

As we are not handling Azaleas for Easter this season we offer a fine lot of this most valuable variety in fine bushy, well budded plants to close out quickly.

Per Doz.	100	Each
10 to 12-inch crowns.....	\$4.50	\$35.00
12 to 14-inch crowns.....	6.00	45.00
14 to 16-inch crowns.....	7.50	55.00
16 to 18-inch crowns.....		\$1.00
18 to 20-inch crowns.....		2.00
20 to 22-inch crowns.....		3.00

Outside of the above we have nothing left in Azaleas except a limited lot of mixed varieties in 10 to 12-inch crowns at \$4.50 per dozen; \$35.00 per 100.

NOTE.—The above prices are practically the same as those at which we book import orders, they are made low to move the plants at once, the stock is of good quality, but is limited; speak quickly if you want them.

Azalea Mollis.

An unusually fine lot of well-budded plants 15 to 18 inches high. A plant that is rapidly gaining favor for early and late forcing; it is profitable stock for the retailer to handle, as it can be grown at a minimum cost for heat and labor. \$4.50 per dozen; \$35.00 per 100.

Deutzias, FOR FORCING.

Strong, shapely, 2-year-old field-grown plants, suitable for 6-inch pots.

Gracilis Rosea, \$1.00 per dozen, \$8.00 per 100.

Gracilis Lemoinei, \$1.00 per dozen; \$8.00 per 100.

Forcing Rhododendrons.

For a late Easter will fill a vacancy where Azaleas cannot be retarded; they are becoming more popular every season; you will find it profitable to try these. We are carrying an extra large stock of bushy, well-shaped plants, covered with buds, 16 to 18 inches high, \$9.00 per dozen; \$70.00 per 100. 20 to 21 inches high, fine specimens, \$11.00 per dozen; \$90.00 per 100.

The Baby Rambler Rose

MME. NORBERT LEVAVASSEUR.

The most valuable bedding rose yet introduced. A plant which will be in strong demand for a long time. We offer good plants suitable to use for stock plants, one-year field-grown, suitable for 4-inch pots, \$5.00 per dozen; \$35.00 per 100.

Primula Veris Superba.

An excellent plant for forcing for early spring that meets with ready sales, strong plants 75 cents per dozen; \$6.00 per 100.



DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds, Plants, Bulbs, etc., is mailed to all Florists. If you do not have it at hand please advise us and a copy will be sent at once.

HENRY A. DREER,

(INCORPORATED)

714 Chestnut St., Philadelphia.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

GINSENG (Kains).—At the present time when so much interest is taken in ginseng it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 25 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insect pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages with twenty-two illustrations. 50 cents.

Beauties,

ROSES, CARNATIONS, LILIES

—AND—

Cut Flowers of All Kinds.

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60 Wabash Ave., CHICAGO.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

HARDY MANUAL (J. W. Johnson)—A new work, fully illustrated with plans, etc., on greenhouse heating and ventilating, by a practical steam and hot water heating engineer of long experience. Replete with valuable information. 125 pages. \$1.00.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

ONION SETS remain firm at about prices stated in our last issue.

JESSE E. NORTHRUP is at French Lick Springs, Ind., for a brief period.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.; Jesse E. Northrup, Minneapolis Minn.

OKLAHOMA CITY.—W. O. Church is now owner of the stock of the Walker Seed Company, incorporated.

THE large number of subscriptions to the Vilmerin monument from the United States is ample evidence that the splendid work of the Vilmerin family is well appreciated in this country.

SEARS, ROEBUCK & COMPANY, the extensive general catalogue trade house of Chicago, have secured the services of G. W. Weston, formerly on the floor at Vaughan's seed store, for their new seed department.

FREDERICKTON, O.—J. B. Agnew, of the well known California firm of seed growers was here recently, one of the objects of his visit being to establish a growing plant for the production of onion seed. Murray J. Agnew, of this city, will take charge of the new seed farm.

WASHINGTON, D. C.—It is reported that the Brown Bag Filling Machine Company has asked for an injunction against the machine operated in the Department of Agriculture by James L. Drohen who has the contract for putting up the packets for the government this year.

SECRETARY OF THE TREASURY SHAW has sent a message to both houses of congress recommending refund of duties paid on imported wheat used for seed. Why could not Secretary Shaw ask that seedsmen be supplied with some information regarding the market value of imported seeds grown on contract?

REPORTS from southern France bulb districts indicate severe and dry weather the middle of January, which is unfavorable to narcissi and freesias. It is too early, our correspondent says, to give very definite information, but the crop of good sized Roman hyacinths ought to be better than last year, and our correspondent does not anticipate higher prices in a general way on French bulbs than the preceding season.

HOLLAND BULB growers held a general meeting January 20 to consider, not so much the prices for 1905, but to

arrange shorter credits. The general feeling among growers is that hyacinths ought to be a little higher than in 1904, as they have been selling very close, and at any rate are not likely to go lower. Tulips, about the same, with a few named sorts cheaper. The autumn planting season was very favorable for narcissi, and a good crop may be expected, with prices about the same. The weather up to January 16 had been mild, and a colder spell was needed.

Boston.

Arthur Holland, recently of R. J. Farquhar & Company has gone to New York to take charge at Weeber & Don. He has the best wishes for success from a host of friends made during his stay in Boston.

John P. A. Guerineau, of Schlegel and Fottler Company, has been in Newport for the past week and reports a very successful trip.



Fred H. Bateman.

Maurice Field, of W. W. Rawson & Company, is convalescing from a severe attack of the grip.

Newport, R. I.

M. B. Faxon, who for the past two years has had charge of the seed department of the George A. Weaver Company, has associated himself as seedsmen with William B. Scott & Company; Mr. Scott was manager of the George A. Weaver Company for some twenty-five years, and a year ago established himself in business with his two brothers.

It begins to look as if a hotel would not be constructed out of the George A. Weaver Company's store, as that company has been advertising that "Regardless of reports we still intend to carry on business at the big store, 19, 21 and 23 Broadway." X.

Fred H. Bateman.

It affords us considerable pleasure to present herewith a portrait of Fred H. Bateman, so well and favorably known in connection with the "Iron Age" implements of the Bateman Manufacturing Company, of Grenloch, N. J. Mr. Bateman was born at Grenloch, May 7, 1873. He worked in the factory during school vacations, until after graduating from the Eastburn Academy, of Philadelphia, Pa., June 17, 1893. After a short period in the machine shops of the factory he was sent to attend some state and county fairs in exhibiting "Iron Age" implements. From his successful work and acquaintances made at the fairs, he commenced to travel and was kept on the road until October 1, 1901, when he became, at 28 years of age, secretary and treasurer of the Bateman Manufacturing Company. Through satisfactory services rendered and owing to the desire of his father to transfer the management of the business, on August 6, 1902, he was given the general management, which position he holds to-day. Under his direction the business has grown rapidly and the "Iron Age" goods in great popularity.

Petty Larceny.

Representative Lilly of Connecticut denounced the free seed distribution custom of the government as petty larceny January 27. The house nevertheless passed the agricultural appropriation bill.

Canadian Seed Inspection Act.

In the Canadian parliament, January 23, Sydney Fisher gave notice of a resolution respecting the inspection and sale of seeds and succeeded in advancing it through the initial stages. The bill is only slightly different from the measure which was before parliament last session and the session before, and which was withdrawn. The minister of agriculture explained that the bill had been amended to meet the chief criticisms urged against it.

W. F. Maclean suggested that it was useless to introduce the bill session after session and waste the time of the house in discussion that ended only in withdrawal. He hoped that this session the bill would be pushed through and become a law. Mr. Fisher promised to make the bill law this session if the house would co-operate with him. The resolution was then reported.

James J. H. Gregory at Seventy-Eight.

In my seventy-eighth year I sit down to send my annual greetings to the many thousands of friends with whom I have enjoyed many seasons of pleasant intercourse; with some of you well nigh to fifty years. I trust that this finds you enjoying the blessings of good health and prosperity, not only in worldly affairs but in everything where attainment lifts us to a higher manhood and nobler womanhood. I am happy to be able to say that I am in the enjoyment of many blessings, physical, mental and moral, for which I daily thank that dear father and mother (long since departed this earth) who gave them to me as a heritage, and the great loving Father of us all through whose laws they were enabled to transmit blessings to their many children. Not having been blessed with a family of my own, I adopted at one time in early marriage life four little children, strangers to me and strangers to each other; these I educated (and many other unfortunate ones) and now, in my declining years, I enjoy the pleasure of being called "Grandpa" by seventeen bright, healthy little ones.

J. J. H. GREGORY.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.
Braslan Seed Growers Co.
Wholesale Seed Growers.
SAN JOSE, CALIFORNIA.

LEONARD SEED CO.
Write for Prices.
WE ARE
HEADQUARTERS
FOR
Flower Seeds
and
Bulbs.
ONION SETS.

WHOLESALE SEED GROWERS
Seeds for present requirements ready to ship.
Contract orders for delivery after harvest 1905 are being booked now. **Beans, Peas and Garden Seeds. WRITE FOR PRICES.**
CO. CHICAGO.



Asparagus
Plumosus
Nanus.

NEW CROP FLOWER SEEDS

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

We are HEADQUARTERS for Greenhouse Grown Seed of ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse Grown Seed—Per 100 seeds, 75c; 250 seeds, \$1.50; 1000 seeds, \$5.00; 5000 seeds, \$23.50; 10,000 seeds, \$42.50. Price for larger lots on application.
Southern Outdoor Grown Seed—Per 1000 seeds, \$3.50; 5,000 seeds, \$16.00; 10,000 seeds, \$30.00.

	Trade Pkt.	Oz.
Ageratum , Imperial Dwarf, blue.....	.10	\$.25
Imperial Dwarf, white.....	.10	.25
Blue Perfection, dwarf.....	.10	.30
Princess Pauline, fine for pots.....	.10	.30
Princess Victoria Louise, new, beautiful blue and white flowers, plants compact and free-blooming	.10	.60
Alyssum Sweet.....	lb., \$1.25	.05 .15
Alyssum Little Gem.....	lb., \$3.50	.10 .35
Ampelopsis Veitchi.....	lb., \$1.00	.10 .15
ASPARAGUS Plumosus Robustus , new, per 100 seeds, \$1.00; 1000 seeds, \$10.00.		
Sprenger , 100 seeds, 15c; 1,000 seeds, 75c; 5,000 seeds, \$3.25.		
Write for prices on larger lots on above three.		
Decumbens , 100 seeds, 50c; 1,000 seeds, \$4.00.		
Comorensis , per 100 seeds, \$1.25; 1,000 seeds, \$10.00.		

ASTERS.

	Trade Pkt.	¼ Oz.	Oz.
Queen of the Market , White.....	lb., \$5.00	\$.10	\$.20 \$.50
Pink.....	lb., 5.00	.10	.20 .50
Scarlet.....	lb., 6.00	.10	.20 .50
Light blue.....	lb., 5.00	.10	.20 .50
Dark blue.....	lb., 5.50	.10	.20 .50
Mixed.....	lb., 4.25	.10	.15 .40

Branching or Simple,

	Trade Pkt.	¼ Oz.	Oz.
White.....			
Rose pink.....	Trade Pkt., 10c.		
Lavender.....	¼ oz., 20c.		
Red.....	Oz., 60c.		
Purple.....	Lb., \$6.50.		
Light blue.....			
Daybreak pink.....	Trade Pkt. ¼ Oz.		
Mixed.....	lb., \$6.00	.10	.20 .50

Vaughan's Upright White Branching

	Trade Pkt.	¼ Oz.	Oz.
Vaughan's Upright White Branching.....	.10	.20	.65
Vaughan's Upright Pink Branching.....	.10	.20	.65

Balsam, Alba Perfecta. This is the largest and best double white

Balsam.....	Trade Pkt. ¼ Oz.		
Begonia Vernon.....	¼ oz., 30c	.10	.25 .70

Begonia, Double Daisy

Begonia, Double Daisy.....	Trade Pkt.	Oz.
Mammoth Mixed.....	1-16 oz., 45c	.25
Begonia, Double Daisy.....	Trade Pkt.	Oz.
Mammoth White.....	1-16 oz., 40c	.25
Mammoth Pink.....	1-16 oz., 65c	.25
Longfellow, dark pink.....	¼ oz., 35c	.20
Snowball, dbl. white.....	¼ oz., 35c	.20

Candytuft, Giant Hyacinth-Flowered

Candytuft, Giant Hyacinth-Flowered.....	Improved Empress, ¼ oz., 10c	.15
Canna, Crozy sorts, extra choice mixed.....	lb., \$1.20	.10

Celosia, President Thiers

Celosia, President Thiers.....	This is a splendid variety which is so much and effectively used in our parks.....	.15	1.25
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Celosia Thompsoni Magnifica. Of great value for all decorative purposes in and out of doors. Pkt., 10c; ¼ oz., 25c.

Centaurea Candidissima (Dusty Miller) 1,000 seeds..... .25 1.70

Centaurea Gymnocarpa..... lb., \$2.75 .30

Clematis Paniculata, white, sweet scented..... lb., \$4.50 .15 .50

Cineraria Maritima "Diamond." This is one of the finest foliage bedding plants. The leaves are broad, snow-white and lasting. ¼ oz., 60c .15

Cineraria Maritima Candidissima..... .10 .20

Cobaea Scandens..... .10 .40

Alba..... .15 .60

Coleus, Mammoth Rainbow Mixture..... 1-32 oz., 50c .20

Coleus, Large Leaved Sorts, extra choice mixed..... .20

DAHLIA, Burbank's Selection. The seed we offer is of L. Burbank's own saving, and he writes: "This seed will produce a greater proportion of large, clear, bright colored, perfect double flowers than any ever before offered; 90 per cent of good flowers can be expected." Blooms the first year from seed. Pkt. (100 seeds) 50c. Trade Pkt. Oz.

DAISY, Non Plus Ultra, best white..... .15

Dracaena Indivisa..... lb., \$2.50 \$.10 \$.25

New Shasta Daisy..... 1-16 oz., \$1.00 .25

Vaughan's Early and Late Flowering Forget-me-not..... ¼ oz., 25c. .10 .80

Crevillea Robusta (Silk Oak)..... .10 .45

Heliotrope, Lemoine's Giant..... .25 2.00

IPOMEA Noctiflora, Moonflower.....

White seeded..... 100 seeds, 50c... \$.10 \$.50

New Hybrid, blooms early..... .10 .40

Lemon Verbena..... ¼ oz., 40c .15

Linaria (Kenilworth Ivy)..... ¼ oz., 40c .15

Lobelia, Crystal Palace Compacta.....

Speciosa, dark flowers and foliage for hanging baskets..... ¼ oz., 15c .15 1.25

Emperor William, dwarf ¼ oz., 20c .10 .85

Bedding Queen..... ¼ oz., 25c .15 1.25

Matricaria Capensis fl. Pl. Double White Feverfew..... .10 .25

Maurandya, Mixed..... ¼ oz., 25c .10 1.00

Giant blue..... .20

Mimulus (Musk Plant)..... ¼ oz., 30c .10 1.00

Musa Ensete, 100 seeds, \$1.00.

PANSIES.

Vaughan's Up-to-Date "International"

Received the only award for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy Specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., \$10.00; ¼ oz., \$5.00; ½ oz., \$1.50; trade pkt., 50c.

Vaughan's "Clant Mixture."

This mixture is specially made by us from all the separate colors of Giant Trimardeau, the Giant Hugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture. Price ¼ lb., \$14.00; oz., \$4.00; ½ oz., 60c; trade pkt., 25c.

Petunia, "Vaughan's Best" Mixture of Large Flowering Petunias, trade pkt., (1,000 seeds) 50c; 3 pkts. for \$1.25.

Petunia, Boward's Star. Distinct from Inimitable, or Blotched and Striped. The color is a rich velvety crimson-maroon; a splendid sort for borders, hanging baskets, vases, etc. Pkt. (500 seeds) 25c.

Petunia, Vaughan's Double Petunias, mixed, trade pkt. (800 seeds) \$1.00.

Petunia, Double pure white, 250 seeds, 50c.

Petunia, Extra Large Flowering, double fringed. This extra choice strain produces about 30 per cent of splendid double fringed flowers. Trade pkt. (500 seeds) 60c; 1,000 seeds, \$1.00.

Pyrethrum, Golden Feather..... Trade pkt. Oz. \$.10 \$.30

Salvia Splendens, Clara Bedman (Bonfire)..... .25 2.25

"Drooping Spikes,"..... ¼ oz., 50c .25 2.00

A. Ragenau, very early, very dwarf. .25

Smilax, new crop, ¼ lb., 70c; lb., \$2.50 .10 .25

STOCKS, Large-Flowering German 10 Weeks.

Pure White, Brilliant Rose, Bright Crimson, Blood Red, Purple, Light Blue, Canary Yellow. Price each above per ¼ oz., 40c; oz., \$2.25; pkt., 25c. Trade Pkt. Oz.

Large Flowering, extra choice m'xd..... ¼ oz., 35c \$.25 \$2.00

Thunbergia, Mixed..... 4 oz., \$1.00 .10 .40

"Vaughan's Best" Mixture of Verbena..... ¼ oz., 25c .25 2.00

Verbena Candidissima, white, ¼ oz., 20c .10 .80

Defiance, brightest scarlet ¼ oz., 25c .10 .75

Mammoth, mixed..... ¼ oz., 25c .15 .75

Mammoth, white..... ¼ oz., 25c .15 1.00

Mayflower..... ¼ oz., 25c .15 1.00

Mammoth purple..... ¼ oz., 25c .15 1.00

Vaughan's Seed Store,

NEW YORK, 14 Barclay Street.

84-86 Randolph Street, CHICAGO.

Greenhouses, Nursery and Trial Grounds, Western Springs, Ill.

Please mention the American Florist when writing.

HUNTSVILLE, ALA.—Gustav Hoffman who has been engaged in the florist business here about a year is strangely missing. He left for Decatur several weeks ago for the purpose of buying some pipe and has not been heard of since.

As a first vital statement concerning all competitive business in almost every possible line, I have to say to the young man entering business life that he is to be the cringing slave of business to the end. There is no escaping it. There is no other price to pay for business success. Slavery is the price of success in business and the man who refuses to pay that price has bankrupted facing him as the inevitable. —Confessions of a Business Man.

BURPEE'S SEEDS GROW AND WIN MORE PRIZES

than the products of any other brand! Besides several Gold Medals, they won a Grand Prize for vegetables at the St. Louis Exposition. If you intend to try Burpee's Seeds, we will mail free our Complete Catalogue of 178 pages, with beautiful colored plates and illustrations from photographs taken at our famous Forbush Farms, the largest Trial Grounds in America. If you garden for profit or a florist you should also have Burpee's "Blue List" or Wholesale Price List for Market Gardeners and Florists. WRITE TO-DAY.

W. ATLEE BURPEE & CO., SEED GROWERS, PHILADELPHIA.

Please mention the American Florist to advertisers.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

DODGE CITY, KAN.—R. M. Right has resigned as state forestry commissioner, to take effect March 1.

At this late date, nearly 109 years after the poet's death, few will recall that the father of Robert Burns, Scotland's illustrious bard, was a nurseryman.

OLEAN, N. Y.—Governor Higgins has presented the park commission with \$1,000 for the purpose of beautifying the parks and public grounds in the center of the city.

DES QUEEN, ARK.—The Arkansas Orchard Planting Company of St. Louis has been incorporated with a capital of \$50,000, Bert Johnson, of this city, being the president.

PROVIDENCE, R. I.—The Rhode Island Horticultural Society at its annual meeting January 18, elected the following officers: President M. M. Burdick; secretary and treasurer, Charles W. Smith.

TRENTON, N. J.—At a meeting of the New Jersey State Horticultural Society, January 7, the following officers were elected: President, William H. Skillman, Belle Mead; vice-president, Horace White, Fellowship; secretary, Henry I. Budd, Mt. Holly; treasurer, Ira J. Blackwell, Titusville.

HURON, S. D.—The South Dakota Horticultural Society closed its annual meeting January 21 with the election of the following officers: President, M. J. DeWolf, of Letcher; vice president, N. O. Synoground, of Groton; secretary, N. E. Hanson, of Brookings; treasurer, J. McD. Campbell, of Huron.

NORFOLK, VA.—Bids are desired by the Jamestown Exposition Company for nursery stock as follows: Willow cuttings, 60,000; willow plants, 60,000; supplying, transporting and transplanting large trees, and supplying, delivering and planting 70,000 plants of wire or beach grass.

MADISON, WIS.—The annual meeting of the Wisconsin State Horticultural Society will be held at the Guild hall February 7 and 10. An elaborate programme has been prepared and prizes are offered for fruit and other exhibits. Full particulars may be had on application to Secretary F. C. Cranefield, Madison, Wis.

Western New York Hort. Society. FIFTIETH ANNUAL MEETING.

The Western New York Horticultural Society celebrated its fiftieth anniversary January 25 and 26 at Rochester. In spite of the most unpropitious weather of the season several hundred members were in attendance. Many prominent men in the fruit growing world attended the meeting, bringing with them congratulations from numerous kindred societies and from several agricultural institutions.

The programme was largely retrospective and historical, yet many practical questions were discussed. Particularly worthy of note was an address by Professor L. H. Bailey on the history of the society, in which the organization, achievements, and the present and future work of the society were set forth. Dr. Jordon of the Geneva experiment station also gave a most instructive address on "Horticultural Science." Among the practical questions discussed, spraying for San Jose scale received the most attention.

The exhibition of fruits was one of the best the society has ever made. The display of apples was particularly fine, at least 300 sorts being shown. A splendid line of spraying machinery was exhibited, the power spraying outfits receiving much attention. Fruit packages, picking devices, ladders and other orchard implements were much in evidence.

The following officers were elected: President, William C. Barry, Rochester; vice-presidents, S. D. Willard, Geneva; J. S. Woodward, Lockport; Albert Wood, Carlton Station; Grant G. Hitchings, Syracuse; secretary-treasurer, John Hall, Rochester.

U. P. H.

National Retail Nurserymen.

So rapidly has the National Association of Retail Nurserymen grown that at its second annual meeting a two days' session is necessary for the transaction of all the business to come before it, says the Rochester, N. Y., Post Express of January 25. The association was organized last year at a dinner at the Powers hotel, when William Pitkin was elected president and J. B. Kiley secretary. It is a trade organization for the social and business advancement of the members. The majority of the members are retail dealers in nursery stock. At the dinner at the Masonic club last night several wholesale growers were present.

William Pitkin presided. Professor John Craig, of Ithaca, talked of the ethics of horticulture as applied to the nursery trade. John B. Morey, jr., of Dansville, referred to the retail and wholesale branches of the trade. Rev. Dr. S. Banks Nelson, of St. Peter's church, said he was in the nursery business only in a small way at home and that for a time he had been in doubt as to what he could offer for the consideration of the growers of trees and plants. He remembered that nursery catalogues contain long lists of Latin names of varieties, so he decided to talk for a little while on "Verbum Sap." His word to the wise was aptly put and duly appreciated, for he drew from the methods of the nurserymen, in improving varieties by pruning and budding and grafting, the lesson of improvement in the characters of men. Yorke and Adams, comedians, entertained the party and the dinner was brought to an end by the singing of "America." The dinner committee was composed of B. F. Allen, H. S. Taylor and W. W. Wyman.

Following are the nursery firms represented at the dinner:

Allen Nursery Co., four seats; "American Fruits", magazine; Brown Brothers' Company, eight; H. J. Bowden, E. G. Bowden, P. W. Butler, E. Brown Company, John Charlton & Sons, Charlton Nursery Company, three; Chase Brothers' Company, sev-

enteen; Gilbert Costich, two; Ellwanger & Barry, two; Glenn Brothers, two; F. E. Grover & Company, Graham Nursery Company, two; Gillies Lithograph Company, two; Hawks Nursery Company, three; Hooker, Wyman & Company, six; George Jenny, J. B. Kiley, R. D. Leitchford, W. H. Mead, George Moulson & Company, Oliver Brothers, C. H. Peck, H. C. Peck, H. D. Pratt, Rochester Lithograph Company, Irving Rouse, D. A. Skuse, Rochester Nursery Company, W. W. Steele, Taylor Nursery Company, four; Western New York Nursery Company, two; Allen L. Wood, C. L. Yates, two; James Vick's Sons, two; Vick & Hill, two; Vredenburg & Company, two.

The out-of-town firms represented were: Nelson Bogue, Batavia; R. G. Chase Company, Geneva, two; Clark Nursery Company, Waterloo; George Brothers, East Penfield; Hill Brothers, Irondequoit; F. M. Hartman, Dansville; Jackson & Perkins Company, Newark; George Josselyn, Fredonia, two; Maloney & Sons, Dansville, two; J. Frank Morris, Brighton; Peirson Brothers, Waterloo; W. & T. Smith Company, Newark, five; Storrs & Harrison, Painesville, Ohio. J. H. Dayton, representing the last named company, was the only person present from other than New York state.

Eastern Nurserymen's Association.

The annual meeting of this association was held at Rochester, N. Y., January 25. The following officers were elected for the ensuing year: President W. C. Barry; vice-president, C. H. Hawks; secretary and treasurer, Wm. Pitkin; executive committee, Irving Rouse, George A. Sweet, C. J. Brown, C. W. Stuart, W. C. Barry and O. G. Chase, the last named taking the place of Wing R. Smith, of Syracuse.

It was decided to act with the transportation committee of the American Association of Nurserymen in the matter of freight rates, with a view to securing a less prohibitive classification of nursery stock.

Nashville, Tenn.

The Tennessee Horticultural Society was organized January 2, the following officers being elected: President, Charles R. Keffer, professor of horticulture, University of Tennessee; secretary-treasurer, Prof. George W. Martin, state entomologist; vice-presidents, for East Tennessee, J. A. Wallis, of Spring City; Middle Tennessee, R. A. Wilkes, of Culleoka; West Tennessee, W. H. Rochelle, of Medon. A number of fruit growers from various parts of the state attended the meeting, Congressman N. W. Hale, from Knoxville, being among them.

RHODODENDRONS.

10,000, all sizes; large sizes to 5x5 feet. Write for kinds and prices.

C. J. NOYES, PENDLETON NURSERIES.
Manchester, England.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest, 13 acres devoted for growing this line as Anemone, Aster, Campanula, Delphinium, Funkia, Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (specially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

ELLWANGER & BARRY

Mt. Hope Nurseries, Rochester, N. Y.
Drauer 1044 Y Established 65 Years.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An Illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Jacs Smits, Ltd. NAARDEN,
(BRANCH AT BOSKOOP.)
(Holland.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries.
NAARDEN-BUSSUM, near Amsterdam, is our H. H. Depot.

August Haerens' Nurseries,

SOMERCEM, CHENT, BELGIUM.

Furnish PALMS, ARACARIAS, BAY TREES, FICUS and other decorative plants for 1905, spring delivery. AZALEAS for fall delivery. Prime quality: careful packing. Trade list sent by the American Agents.

August Rölker & Sons
31 Barclay St., P. O. Box 752, NEW YORK.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.
WILL B. MUNSON, Denison, Tex.

Philadelphia Rambler.

Flowers brighter and much more double than Crimson Rambler, strong grower, blooms earlier and does not bleach out.

Field plants, 2 to 3 ft., \$2.00 per doz.; \$15.00 per 100
Field plants, 3 to 4 ft., \$3.00 per doz.; \$20.00 per 100

The Conard & Jones Co., WEST GROVE, PA.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR EASTER FORCING

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots....	\$.15	\$ 1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots....	.40	3.50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
RHODODENDRONS, for forcing, bushy plants, 8 to 12 buds.....	1.00	11.00	
For forcing, large plants, 15 to 25 buds.....	2.00	20.00	
		Doz.	100
HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr old, pot-grown, for forcing.	5.00	35.00	
CRIMSON RAMBLERS, strong, 2-year old.....	2.00	15.00	
Strong, 3-year old.....	2.50	18.00	
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00	

	Doz.	100
GRUSS an TEPLITZ, strong, 2-year old.....	2.00	15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
HERMOSA, strong, 2-year old.....	2.25	16.00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY.....	2.00	15.00
KAISERIN AUG. VICTORIA....	2.50	20.00
PAUL NEYRON.....	2.50	20.00
LA FRANCE.....	2.00	15.00
Anna de Diesbach, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, John Hopper, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ullrich Brunner, Etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS JAPONICUS, 1 year, 6 to 8 inches.....	2.00	18.00
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.

Forcing Stock for Easter.

AZALEA MOLLIS full of buds, nice even heads, force easily, 12-15 in. high, \$30.00 per 100; 15-18 in. high \$40.00 per 100.

DEUTZIA GRACILIS, grown especially for pot culture; very bushy; 12-15 in. high, for 6-in. pots, \$8.00 per 100; 15-18 in. high, for 7-in. or 8-in. pots \$8.00 per 100.

DEUTZIA LEMOINEI—Similar to Gracilis, but stronger grower, 15-18 in. high, for 6-in. pots, \$8.00 per 100; 18-24 in. high, for 7 or 8-in. pots, \$10.00 per 100.

100; 15-18 in. high \$40.00 per 100.

RHODODENDRONS—Best named Hybrids, bushy and full of buds, 30 in. high, \$8.00 per dozen; 24 in. high, \$12.00 per dozen; 30-32 in. high (heavy) \$24.00 per dozen.

SPIRAEA JAPONICA, \$3.00 per 100.

SPIRAEA NANA COMPACTA, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Surplus Tree Seeds.

500 lbs. Catalpa Speciosa,

500 lbs Black Locust.

Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

FOREST NURSERY AND SEED CO.,

IRVING COLLEGE, Warren Co., TENN.

Please mention the American Florist when writing.



Send to

THE MOON

Company

For { Trees, Shrubs, Vines
Your } and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.
Morrisville, Pa.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.

RIVER VIEW NURSERIES,

J. H. O'HAGAN. LITTLE SILVER, N. J.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 423 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago

At Washington.

On January 20 a close contest took place between the Florists and Saengerbunds. The score follows:

PLAYER	FLORISTS	1st.	2d.	3d.
Cooke	154	192	231
Shaffer	178	180	169
Simmons	149	188	155
Barry	127	154	169
McLennan	155	188	183

Totals	763	902	912
PLAYER	SAENGERBUNDS	1st.	2d.	3d.
Allison	153	169	210
Burdine	204	178	179
Crist	176	190	211
Eckstein	170	194	193
Miller	159	174	147

Totals 862 905 940

At Denver.

The Denver florists rolled another series last week with the following scores:

Player.	TEAM NO. 4.	1st	2d	3d
C. Benson	157	147	107
C. Mauff	150	98	107
Cooper	114	140	109
Glauber	139	138	132

Totals 560 623 455

Player.	TEAM NO. 2.	1st	2d	3d
Frazer	137	162	129
Bush	152	103	99
Kennedy	168	139	147
Scott	148	148	202

Totals 605 552 577

At New York.

The New York bowlers played a return match with the Madison, N. J., florists January 20 on the New York alleys, the result being a victory for the New Yorkers. Refreshments were provided, and a very enjoyable evening spent. Following are the scores:

Player.	MADISON.	1st	2d	3d
Duckham	136	146	185
Robbins	117	133	136
Keating	134	182	133
Plusch	112	181	158
Totty	126	91	101
Cook	145	158	183

Player.	NEW YORK.	1st	2d	3d
Holt	121	200	125
Kessler	202	176	169
O'Mara	138	157	131
Ford	141	184	127
Selbrecht	138	142	176
Fenrich	130	167	129

At Boston.

A double header in the seed trade bowling league Monday, January 30, was played. R. & J. Farquhar took two from Jos. Breck & Sons. This puts Farquhar in first place by the small margin of one game. The rolling was very close and the games in each instance were not decided until the last ball was rolled. W. W. Rawson smothered Schlegel & Fottler Company with white-wash and did a very good job while they were at it. The match was a runaway and Rawson & Company were the only ones in the running, they tak-

ing three straight. The scores follow:

Player.	JOS. BRECK & SONS.	1st	2d	3d
Simmonds	63	74	79
Webber	90	81	89
Gleason	65	96	75
Armstrong	79	74	77
Enholm	83	96	83

Totals 380 421 403

Player.	R. & J. FARQUHAR.	1st	2d	3d
Davey	80	87	81
Castle	82	75	79
Hardman	74	76	72
McDermott	86	88	82
Jenner	95	89	92

Totals 417 415 406

Player.	SCHLEGEL & FOTTLER.	1st	2d	3d
Gates	67	75	77
Cahill	73	72	66
Murray	75	48	68
Wilson	72	69	71
Guerineau	82	76	76

Totals 369 340 353

Player.	W. W. RAWSON.	1st	2d	3d
Taylor	74	83	82
Clarke	77	77	85
Warren	75	69	71
Field	72	72	86
Perry	80	82	59

Totals 378 383 383

The first annual banquet of the Seed Trade bowling league will be held at the American hotel, February 21.



P. J. Hauswirth's World's Fair Watch.
(Presented in recognition of his valuable services as manager of the World's Fair Flower Show.)

Baltimore.

BLIZZARD INTERRUPTS TRADE.

We did not escape the blizzard which swept over the country last week. Though not as severe as that of 1899, the snow was deep, the temperature low and the wind of great violence. Trade was very much interrupted, roads were impassable, and shippers could not get their flowers into market. The effect upon the demand was marked, and general dullness prevailed for two or three days. At the end of the week more pleasant weather ensued, and there was a fair business done. Roses were scarce all through the week, and on Saturday, McKinley day, the market was cleared of carnations. This day seems each recurring year to gain in popular favor and to cause a very perceptible increase in the call for these

flowers. On Wednesday, one of the days when the storm was worst, American Beauty roses could not be had here, nor at any point from which transportation could be depended upon as reasonably safe. The week showed a great decline in cut flower requirements for social entertainments as compared with the previous one.

NOTES.

The funeral of William T. Frick on Saturday created an unusual demand for fine flowers, the tokens of esteem for the venerable lawyer being extremely numerous and handsome. Mr. Frick was about eighty-six years old and was the father of Mrs. Dr. Jacobs, formerly Mrs. Robert Garrett. He was himself always much interested in gardening pursuits and had a fine estate near Catonsville, which afterwards passed into the hands of his daughter. He had some plant houses and was extremely attached to fine trees and shrubs. It was with him that John Cook, the rose-grower and originator, long served as gardener. At his funeral Mr. Cook furnished a great piece, the entire length of the grave, composed of his new White Virgin rose. An immense wreath of violets and superb orchids was furnished by Halliday Brothers on a New York order, and there were great quantities of roses and carnations.

Charles Sieck, carrying on the business of C. E. Smith, N. Liberty street, has lost his father, Adolph H. Sieck, at an advanced age. Not long since two of his children died, and somewhat later a brother, so that he seems to have been lately marked for misfortune. He has the sympathy of the trade in his sorrow. S. B.

San Francisco.

Market quotations remain unchanged from prices reported last week, and with blooms plentiful, and no decrease of wedding announcements, engagement dinners, etc., business is holding up fairly well. To us who first sprouted in eastern states and there grew from bud-shoot life to mannish plants, these almanac winter days in California seem strangely peculiar. Nothing hibernates in the Golden state; even a bear does not suck his paws, but fattens through our almanac winter on wild honey. From an eastern viewpoint it was an unseasonable dinner-table decoration made on a late day in November by George B. Jones, the feature blooms being poppies, lilac and hawthorns.

Leopold & Ephraim had an elaborate decoration at the San Francisco Press Club one night last week. In a wall floral design were used poppies, sweet peas, wild iris and buttercups. American Beauty and Liberty roses and Prosperity and Roosevelt carnations were also used in liberal supply. The guest of the evening was Jacob A. Riis, of New York.

MONNETTE.

PADUCAH, KY.—Wm. Schmause is suffering from an injured knee, caused by a fall.

ROCKFORD, ILL.—H. O. Hinkley expects to give up the retail business after this winter, having already engaged in other lines, but will continue his greenhouses, disposing of the product at wholesale.

ALL RECORDS SMASHED

EVEN OUR OWN AT DETROIT LAST YEAR.

SIXTY PRIZES

Won this season is proof enough of the Superiority of our Plants and Varieties.

If you have strong healthy plants of the BEST VARIETIES you can WIN also.

NOTE—Here is our Record made at the Chicago Convention last week.

Rooted Cuttings.	Per 100	Per 1000
FIRST PRIZE. 100 Flesh Pink, with Enchantress.....	\$4.00	\$ 30.00
1st prize, best 100 dark pink, with Lawson.....	2.00	15.00
1st prize, 100 Scott pink, with Fiancee.....	12.00	100.00
1st prize, best 100 scarlet, with Cardinal.....	12.00	100.00
1st prize, best 100 crimson, with Harlowarden.....	2.50	20.00
1st prize, best 100 yellow, with Dorothy Whitney.....	4.00	30.00
1st prize, in Sweepstakes, with Fiancee.....		
1st prize, 50 any other color, with Prosperity.....	2.50	20.00
1st prize, 50 white variegated, with Mrs. M. A. Patten.....	5.00	40.00
1st prize, 25 yellow.....		
1st prize, 50 yellow.....		
1st J. C. Moninger Prize, with 50 Whitney.....		
1st prize, 50 crimson with Harlowarden—Moninger Prize.....		
2nd prize, 25 Fair Maid; 2nd, 25 Lawson; 2nd, 50 Enchantress		

“FIANCEE” won the LAWSON GOLD MEDAL.

The only Carnation and we the only firm to win it twice.

We sell rooted cuttings 250 at 1000 rate. We have the largest and best stock of WHITE LAWSON. Rooted cuttings of this grand variety ready for immediate delivery, \$7.00 per 100; \$60.00 per 1000.

From 2-inch pots, 8 60 per 100; \$75.00 per 1000.

CHICAGO CARNATION CO., Joliet, Ill.

JAMES HARTSHORNE, Mgr.

60,000

Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100
BRIDE.....	\$10.00
BRIDESMAID.....	10.00
LA DETROIT.....	12.00
GEN. MacARTHUR.....	12.00
LIBERTY.....	12.00

ROOTED CUTTINGS.

READY NOW.

	Per 100
BRIDE, BRIDESMAID.....	\$1.50
CHATENAY.....	1.50
LIBERTY.....	2.50
PERLE.....	2.50

CARNATIONS.

	Per 1000
GOV. WOLCOTT.....	\$12.50
WHITE CLOUD.....	12.50
NORWAY.....	12.50
LAWSON.....	12.50
MORNING GLORY.....	12.50
JOOST.....	12.50
ENCHANTRESS.....	25.00
FLAMINGO.....	50.00
CRUSADER.....	40.00
ESTELLE.....	25.00
AMERICA.....	12.50
CRANE.....	12.50
PROSPERITY.....	12.50
GAITY.....	15.00

ALL PLANTS SHIPPED FROM
HINSDALE.

Bassett & Washburn,

Store: 76 Wabash Ave., CHICAGO.
Greenhouses: HINSDALE, ILL.

RECEIVER'S SALE.

ROOTED CARNATION CUTTINGS.
Strong, Healthy Plants.

RED.	Per 100	1000
Manley.....	\$3.00	\$25.00
Mrs. Potter Palmer.....	1.25	10.00
Mrs. Inc.....	1.50	12.50
Flamingo.....	5.50	45.00
Harlowarden.....	1.40	12.50
Earle.....	1.25	10.00
America.....	2.00	16.00

LIGHT PINK.

Enchantress.....	3.00	25.00
Mrs. Higinbotham.....	1.00	9.00

PINK.

Mrs. Lawson.....	1.50	12.50
Mrs. Nelson.....	1.50	12.50
Guardian Angel.....	1.00	9.00

WHITE.

White Cloud.....	1.50	12.50
Queen Louise.....	1.00	9.00
Flora Hill.....	1.00	9.00

VARIEGATED.

Prosperity.....	1.50	12.50
Armazindy.....	1.00	9.00
Her Majesty.....	1.50	12.50

All plants strong and healthy. 10 per cent extra for black soil. 500 and 1000 rate.

ROOTED ROSE CUTTINGS.

American Beauty.....	\$3.00	\$25.00
Liberty.....	3.00	25.00
Bridesmaid.....	1.50	12.50
Bride.....	1.50	12.50
Ivory.....	1.50	12.50
Golden Gate.....	1.50	12.50

All healthy cuttings in good condition.
Shipped promptly C. O. D. from greenhouses
of M. CHAEL WINANDY.

E. C. DAY, Receiver,

1334 First National Bank Bldg., CHICAGO.

Carnations

Rooted Cuttings Ready Now except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000		Per 100	1000
CARDINAL, new scarlet.....	\$12.00	\$100.00	ESTELLE, scarlet.....	\$3.00	\$25.00
CRISIS, new scarlet.....	12.00	100.00	GENEVIEVE LORD, light pink....	1.75	15.00
ECLIPSE, Dorner's pink.....	12.00	100.00	G. H. CRANE, scarlet.....	2.50	20.00
FIANCEE, new (Mar. 1).....	12.00	100.00	GOV. WOLCOTT, white.....	2.50	20.00
ALBATROSS, white.....	5.00	40.00	HARLOWARDEN, crimson.....	2.50	20.00
CRUSADER, red.....	5.00	40.00	INDIANAPOLIS, pink.....	5.00	40.00
DO-OTHY WHITNEY, yellow.....	5.00	40.00	THE MARQUIS, pink.....	1.75	15.00
DAHEIM, crimson (Feb. 1).....	6.00	50.00	MRS. LAWSON, deep pink.....	3.00	25.00
REO LAWSON, new red.....	10.00	75.00	MRS. JOOST, pink.....	1.75	15.00
WHITE SWAN, new white.....	10.00	80.00	MORNING GLORY, light pink.....	2.00	18.00
RICHMOND GEM, new scarlet.....	10.00	75.00	PROSPERITY, fancy.....	3.00	25.00
EN HANTRESS, light pink.....	4.00	30.00	WHITE CLOUD, white.....	1.75	15.00
FLAMINGO, scarlet.....	6.00	50.00	QUEEN LOUISE, white.....	1.75	15.00
MRS. PATTEN, variegated.....	6.00	50.00	BOSTON MARKET, white.....	3.00	25.00
NELSON FISHER, deep pink.....	6.00	50.00	AMERICA, red.....	1.75	15.00
THE BELLE, white.....	6.00	50.00	FLORA HILL, white.....	1.75	15.00
VESPER, white.....	5.00	40.00	VARIEGATED LAWSON.....	12.00	100.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

\$10 per 100
\$40 per 500
\$75 per 1000

Red Lawson will Bloom

3 to 1 against any other RED
Carnation on the market

\$10 per 100
\$40 per 500
\$75 per 1000

8000
BLOOMS

Cut and sold
Xmas Week
at \$1.50
per doz.

Palmer's

RED
LAWSON

8000
BLOOMS

Cut and Sold
Xmas Week
at \$1.50
per doz.

\$10 per 100
\$40 per 500
\$75 per 1000

50,000 Cuttings Sold

and not a word of complaint
FINE, STRONG, HEALTHY CUTTINGS

\$10 per 100
\$40 per 500
\$75 per 1000

W. J. PALMER & SON, Lancaster, N. Y.

The Best White Carnation on
the Market is

The Bride

Price, \$6 per 100; \$50 per 1000.

Also The New Light Pink
Carnation

PHYLLIS

Price, \$12 per 100; \$100 per 1000.

You Can Always Rely On Our Stock Being First-Class.

JOHN N. MAY,

Summit, N. J.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertisement in the American Florist. **TRY IT NOW.**

The Cardinal Wins

First Prize for Best 100 Scarlet Carnations.

First Prize for Best 50 Carnations in the hall any color.

First Prize for Best 50 Scarlet Seedlings.

And wins the admiration of all who see it growing. It's the Scarlet we have all been looking for. An improved Estelle. Rooted Cuttings, early delivery, \$12.00 per 100; \$100.00 per 1000.

Disseminators :

The E. G. HILL CO., Richmond, Ind.
CHICAGO CARNATION Co., Joliet, Ill.
S. S. SKIDELSKY, Philadelphia, Pa.

ROSES

ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$300.00
Rosalind Orr English.....	25.00	200.00
Chatenay.....	4.00	30.00
Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00

	Per 100	Per 1000
Liberty.....	\$ 5.00	\$45.00
La Detroit.....	6.00	50.00
Uncle John.....	4.00	35.00
Kalseria.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory.....	3.00	25.00
Perle.....	3.00	25.00

CARNATIONS

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise.....	1.00	9.00
Peru.....	1.00	9.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
Estelle.....	1.50	12.50
Indianapolis.....	5.10	45.00
PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Enchantress.....	3.00	25.00
Lawson.....	1.50	12.50
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Huginbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

All plants and rooted cuttings sold under this express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

THE BEST WHITE CARNATION IS

Lieut. Peary (WARD)

CERTIFICATED 90 POINTS.

PEDICREE—White seedlings for several generations. **COLOR**—Snow white. **FRAGRANCE**—Very strong clove, decidedly fresh, and pleasing. **SIZE**—Large, averaging 3 inches in diameter on strong stiff stems, 18 to 20 inches in length. **FLOWER**—Full, broad petaled and high center and of a fine symmetrical form. **CALYX**—Long, strong and does not burst. Fine keeper and excellent shipper. **HABIT**—Strong and erect. **GRASS**—Medium width. **CONSTITUTION**—Very vigorous and free from disease. Cuttings root rapidly and will be sent out in the most perfect condition. Commences blooming October 15th and flowers continuously throughout the winter, affording an abundant crop. A first-class commercial variety in every respect. Now booking orders.

Price, \$12.00 per 100; \$100.00 per 1000.

COTTAGE GARDENS CO., Queens, N. Y.
Incorporated.

ALSO THE FOLLOWING
NOW READY:

3,000 ETHEL WARD.....	\$7.00 per 100.
2,000 THE PRESIDENT.....	\$60.00 per 1000.
2,000 WHITE LAWSON.....	
5,000 ENCHANTRESS.....	\$1.00 per 100;
2,000 CHRISTMAS EVE.....	\$30.00 per 1000.
2,000 GOLDEN EAGLE, \$5.00 per 100.	\$10 per 1000.
1,000 HARRY FENN.....	\$3.00 per 100;
5,000 LAWSON.....	\$25.00 per 1000.
2,000 PROSPERITY, \$2.00 per 100;	\$15.00 per 1000.
3,000 MACKINAC.....	
2,000 THE BELLE.....	
2,000 LADY BOUNTIFUL.....	
3,000 JUDGE HINSDALE.....	\$6.00 per 100.
2,000 MRS. PATTEN.....	\$50.00 per 1000.
2,000 NELSON FISHER.....	
2,000 OCTOON.....	
2,000 FLAMINGO.....	

50 of a kind at 100 rate; 250 of a kind at 1000 rate.

Toronto.

TRADE CONDITIONS IMPROVE.

The past week has shown considerable improvement in trade conditions and especially in roses, the demand using everything that is coming in. Inclement weather has not helped transient trade but there have been quite a number of orders for funeral work. Sunday, January 22, was violet day and a heavy demand for violets on Saturday was noted. With the exception of roses all other varieties of flowers are plentiful and quantities may be had at low prices.

Thursday, February 16, has been set aside for the date of the carnation show, which, from the present indications gives promise of eclipsing that of other years. Those growers in the states who intend exhibiting will find that arrangements have all been made and that express charges and duty will be looked after by the local club.

On Friday, February 17, the florists of Toronto and Brampton will meet at Cooksville, half way between Toronto and Brampton, where arrangements are being made for a supper and a general good time.

Louis I. Vair, Barrie, is still sending in some very good chrysanthemums which are very good at this late season.

H. G. D.

ROOTED CUTTINGS.

Fine Clean, Healthy Stock.

ROSES.

	Per 100	Per 1000
AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.20
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

	Per 100	Per 1000
RED		
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	1.50	12.50
INE.....	1.50	12.50

	Per 100	Per 1000
PINK		
NELSON FISHER.....	6.50	55.00
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.40	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00

	Per 100	Per 1000
LIGHT PINK		
HIGHBOTHAM.....	1.00	9.00
GIBSON BEAUTY.....	12.00	100.00

	Per 100	Per 1000
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.50	12.50
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

UNROOTED CARNATION CUTTINGS.

The following at \$3 per 100; \$25 per 1000

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Crusader

The following at \$2 per 100; \$15 per 1000

Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, N. Y.

Please mention the American Florist when writing.

THE NEW ROSE

Wellesley

Is a Welcome Addition to the List of FORCING ROSES.

Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

Own Root.		Grafted.	
\$ 25.....	per 100	\$ 30.....	per 100
\$ 55.....	per 250	\$ 70.....	per 250
\$100.....	per 600	\$130.....	per 600
\$200.....	per 1000	\$260.....	per 1000

WABAN ROSE CONSERVATORIES, NATICK, MASS.

JOHN N. MAY, - - - Summit, N. J.

200,000 ROOTED Carnations

NOW READY.

White	Per 100	Per 1000	Pink	Per 100	Per 1000
Queen Louise.....	\$1.00	\$10.00	Cressbrook.....	1.00	10.00
Flora Hill.....	1.00	10.00	Scarlet		
Gov. Wolcott.....	1.00	10.00	Crane.....	1.00	10.00
White Cloud.....	1.00	10.00	America.....	1.00	10.00
Alba.....	2.00	15.00	Estelle.....	1.40	12.50
Pink			Crimson		
Lawson.....	1.20	12.50	Harlowarden.....	1.40	12.50
Marquis.....	1.00	10.00	Variegated		
Enchantress.....	3.50	30.00	Prosperity.....	1.40	12.50
Mrs. Joost.....	1.00	10.00	Marshall Field.....	1.40	12.50
McKinley.....	1.40	12.50	Armazindy.....	1.00	10.00
Mermaid.....	1.00	10.00	Viola Allen.....	1.20	11.00

100,000 Pansy Plants, at \$10.00 per Thousand.

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.

Loomis Carnation Co.

Lock Box 115. LOOMIS, CAL.

MY MARYLAND.

The largest, most productive and most profitable White Carnation yet raised. Will be disseminated in 1906. Write us about it. Also for other new and standard carnations.

CHRYSANTHEMUM STOCK PLANTS.

Each.	Doz.	Each.	Doz.
Dr. Enguehard 35c	\$3.00	Uncle John... 35c	3.00
White Mrs. J.R.		Rockford..... 25c	3.00
Trantor..... 35c	3.00	Mrs. Probin... 35c	
Am. Beauty... 35c	3.00	Mrs. Newell... 35c	
S. T. Wright... 50c	5.00		
Pacific, B. Rose, Willow Brook, Ivory, Mrs. J. Jones, 10c each.	\$6.00 per 100.	Orizaba, Halliday, Monrovia, Merry Xmas, Liger, H. Sinclair, 10c each.	\$7.00 per 100.

H. WEBER & SONS, Oakland, Md.

Please mention the American Florist when writing.

Carnation Cuttings

Thoroughly Rooted.

	Per 100	Per 1000
Gov. Wolcott.....	\$3.00	\$25.00
Boston Market.....	3.00	25.00
Enchantress.....	3.00	25.00
Mrs. Lawson.....	3.00	25.00
Prosperity.....	3.00	25.00

NOTE—We don't quote ridiculously low prices. We simply state that we ship you the best cuttings at the least possible prices.

Weiland & Risch,

Leading Western Wholesale Growers and Shippers of Cut Flowers.

59 Wabash Ave., Chicago.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	1.50	12.50
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	1.50	12.50

Orders Filled Promptly. Take
Advantage of the Low Prices and
Order Now.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Red Sport

(OF MACEO)

This New "Bread and Butter" commercial brilliant "Crane" Red Carnation, now in its fourth year, has the bardy constitution of Gen. Maceo, with a stronger, heavier growth, longer and stiffer stem and larger flower.

Growing under the same conditions and in the same house with Flamingo and Estelle, it has produced four times as many flowers as the former and twice as many as the latter. The color is as good as Estelle and the bloom brings as much as does Estelle at its best. Every flower is of a uniform, brilliant red, perfectly double, with an ideal outline; in fact, we have never seen a split one.

RED SPORT is perfectly healthy, an easy variety to grow, an early and continuous bloomer, throwing its heaviest outs around the Christmas holidays and during the winter months, when red is in demand.

RED SPORT will keep longer and travel farther than any other red carnation, and will prove a bonanza to growers doing a shipping business.

If the scarcity of reds in the market that now exists continues, **RED SPORT** will pay better to the square foot of bench room than any other variety of any color to date.

Every florist who has seen **RED SPORT** growing has placed an order for rooted cuttings, which tells the tale.

All our rooted cuttings are sold until after January 25. Orders filled in strict rotation from above date on.

Price, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, postpaid. \$6.00 per 100; \$50.00 per 1000, by express.

We guarantee cuttings to be well rooted and to arrive in good condition.

A. B. Davis & Son, Carnation Specialists
PURCELLVILLE, VA.

Nice Clean Stock

ROOTED CARNATION CUTTINGS.

CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Boston Market, White Cloud and Mme. F. Joost. Also unrooted of last two varieties. Prices upon application.

C. G. VELIE & SON, Marlborough, N. Y.
Valley View Greenhouses.

500,000 VERBENAS — 60 — VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2 1/4-inch pots.....\$2.50 per 100; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : : :

CRISIS, New Commercial Scarlet..... \$12.00 per 100; \$100.00 per 1000.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Patten.....	\$6.00		Flamingo.....	\$6.00	
Judge Hinsdale.....	4.00		Dorothy Whitney.....	3.10	
Lady Bountiful.....	5.00		Golden Beauty.....	3.00	
	100	1000		100	1000
Wm. Scott.....	\$1.25	\$10.00	Mrs. Lawson.....	\$2.00	\$15.00
Floriana.....	1.25	10.00	Adonis.....	2.50	20.00
Lorna.....	1.25	10.00	Harry Fenn.....	2.00	15.00
Eldorado.....	1.25	10.00	Gov. Roosevelt.....	1.50	12.00
Mrs. Joost.....	1.25	10.00	Mrs. P. Palmer.....	1.25	10.00
Enchantress.....	3.00	25.00	The Queen.....	2.50	20.00
			Buttercup.....	Per 100	
			Prosperity.....	\$3.00	
			Mrs. J. H. Manley.....	2.00	
				2.50	
				100	1000
			Mrs. E. A. Nelson.....	\$1.50	\$12.00
			White Cloud.....	1.50	12.00
			Flora Hill.....	1.25	10.00
			Portia.....	1.25	10.00
			Queen Louise.....	1.25	10.00
			Dorothy.....	1.25	10.00

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$ 2.00 per 100; 3 1/4-inch pots, per 100..... \$18.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100..... 10.00
3 1/4-inch pots per 100..... 15.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Rooted CARNATION CUTTINGS

...NOW READY...

	Per 100	1000		Per 100	1000
WHITE.			SCARLET.		
Queen Louise.....	\$1.00	\$10.00	America.....	1.00	10.00
Flora Hill.....	1.00	10.00	Potter Palmer.....	1.00	10.00
Alba.....	1.40	12.50	Estelle.....	1.40	12.50
Gov. Wolcott.....	1.00	10.00	J. H. Manley.....	1.50	15.00
Norway.....	1.00	10.00	Apollo.....	1.50	15.00
Lillian Pond.....	1.40	12.50			
Chicot.....	1.20	10.00	CRIMSON.		
			Harlowarden.....	1.40	12.50
PINK.			Gov. Roosevelt.....	1.20	10.00
Mrs. Thos. Lawson.....	1.40	12.50			
Enchantress.....	3.50	30.00	YELLOW.		
Mrs. Joost.....	1.00	10.00	Golden Beauty.....	1.40	12.50
Success.....	1.00	10.00	Eldorado.....	1.00	10.00
Mermaid.....	1.00	10.00			
Cressbrook.....	1.00	10.00	VARIEGATED.		
Pres. McKinley.....	1.40	12.50	Prosperity.....	1.40	12.50
Mrs. Theo. Roosevelt.....	1.40	12.50	Marshall Field.....	1.40	12.50
			Stella.....	1.40	12.50
SCARLET.			Armazindy.....	1.00	10.00
G. H. Crane.....	1.00	10.00	Viola Allen.....	1.20	11.00
			Gaety.....	1.20	11.00

Special prices on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Please mention the American Florist when writing.

CARNATIONS.

\$ 12.00 per 100
100.00 per 1000
250 at 1000 rate.

VICTORY

To Be Disseminated
1906.

— PLACE YOUR ORDERS FOR ROOTED CUTTINGS. —

	Per 100		Per 100
WHITE LAWSON.....	\$6.00	HARRY FENN.....	\$2.50
NELSON FISHER.....	6.00	GOETHE, light pink.....	2.50
MRS. PATTEN.....	6.00	GENEVEVE LORD.....	2.50
ENCHANTRESS.....	3.00	MANLEY.....	3.00
PROSPERITY.....	3.00	MACEO.....	1.50
THE BELLE.....	6.00	CERVERA, variegated.....	2.00
LADY BOUNTIFUL.....	6.00	LAWSON.....	2.00

— 5 per cent discount for cash with order. —

GUTTMAN & WEBER, Lynbrook, L. I., N. Y.

Address all Correspondence to 52 W. 29th St., New York.

Please mention the American Florist when writing.

Louisville.

Last week found things appearing a little bit slow, there being nothing of unusual importance going on. McKinley day was quite a disappointment, there being very little unusual business. The poor weather probably had a great deal to do with it. Roses are a little better in quality and the quantity is about equal to the demand, which has been good. Carnations have been rapidly increasing in quality and decreasing in quantity, and the demand has been exceptionally good. Violets are coming in in good quantities. Sweet peas are still in small quantities, with fair quality and demand. Shipped mignonettes have improved wonderfully in quality, but the demand has been a little slow. Lily of the valley can be had in great quantity. Stevia is about over. Bulbous stock is coming on nicely and a good supply can soon be expected.

The regular monthly meeting of the Kentucky Society of Florists will be held Tuesday night, February 7, at Mr. Wettle's residence on Broadway and Rubel streets. Besides other important business, the bowling question will probably be put through.

Those who attended the carnation meeting at Chicago seemed very highly pleased with the exhibition and establishments visited. Those who attended were Mrs. C. B. Thompson, Jacob Schulz, George E. Schulz, C. H. Kunzman, and David Weller.

F. L. S.

Syracuse, N. Y.

Considerable complaint is made by the florists that the demand for roses has fallen off and that there is but little profit in handling them. In a city the size of Syracuse roses are used only when they are absolutely necessary as in the case of weddings. The question of foliage is agitating the florists. With the prices the Syracuse people are willing to pay for cut flowers, florists cannot afford to throw in for nothing a spray of foliage.

P. R. Quinlan & Company are cutting a large quantity of carnations of excellent quality. Flamingo, which at one time seemed in disfavor, has come along nicely and the company has decided to grow more. Lady Bountiful is doing well and the new carnation, Vespers, a white fringed bloom, has been doing well. The company is cutting a quantity of Princess of Wales violets.

Wheadon & Hencle have received a shipment of large Enchantress carnations from Bard & Davis. Mr. Wheadon says that prices hold firm and business is fair.

Henry Morris has a fine display of carnations. Mr. Morris' landlord is putting in a new tile window for him and is refurbishing his store.

L. E. Marquisee's stock of carnations looks well.

A. J. B.

Glen Cove, N. Y.

The Nassau County Gardeners' and Florists' Club has been organized with the election of the following officers: President, Thomas Harrison; vice-president, James Holloway; treasurer, Ernest J. Brown; secretary, Samuel J. Trepass. The meetings are to be held on the first Wednesday in each month at 3 p. m.

S. J. T.



Richmond Gem.

The finest commercial scarlet ever introduced. Place your order early. Send for circular.

Price, \$10.00 per 100; \$75.00 per 1000.

B. K. & B.
Floral Co.
RICHMOND, IND.

CRISIS

This **NEW CARNATION** has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Rooted Carnation Cuttings.

	Per 100	Per 1000
PINK		
Enchantress.....	\$3 00	\$25 00
Fair Maid.....	2 50	20 00
Alpine Glow.....	2 50	20 00
Lawson.....	2 00	15 00
Nelson.....	2 00	15 00
WHITE		
Queen.....	2 50	20 00
Queen Louise.....	2 00	15 00
Boston Market.....	2 50	20 00
Marion.....	2 00	15 00
RED		
Flamingo.....	6 00	
Crusader.....	6 00	
Crane.....	2 00	15 00
Mrs. Patten.....	6 00	
Prosperity.....	2 50	20 00
Harlowarden.....	3 00	25 00

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS. —NOW READY—

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Albatross
The above at \$5 per 100; \$40 per 1000.	
The following at \$3 per 100; \$25 per 1000:	
Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, N. Y.

Please mention the American Florist when writing.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6 00	50 00
Nelson Fisher.....	7 00	60 00
Daheim.....	6 00	50 00
Enchantress.....	3 50	30 00
Boston Market.....	2 50	20 00
The Queen.....	2 50	20 00
Mrs. T. W. Lawson.....	2 00	18 00
Gen. Macco.....	2 00	15 00
Morning Glory.....	2 00	15 00
Mrs. G. M. Bradt.....	3 00	25 00
Melba.....	1 50	12 00
Queen Louise.....	1 50	12 00
White Cloud.....	1 50	12 00

CRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Paris Daisies.

ASPARACUS PLUMOSUS NANUS, Extra heavy, 2 in. 2c; 3-in. 4c.

ASP. SPRENGERI, 2-inch, \$1.75 per 100.

HARDY PINKS, large field-grown, 5 sorts, 5c.

UMBRELLA PLANTS, 2-in. fls, 2½c.

PARIS DAISY, Giant 2-inch, 2½c.

ABUTILONS, 4 varieties, 2½-inch, 3c.

Rooted Cuttings, prepaid: **Heliotrope**, \$1 per 100.

Agrostis, Guroey, Pauline 50c per 100. **Salvia**,

Splendens, Bonfire, 90c per 100. **Fuchsia**, 5 best

varieties, \$1.25 per 100. **Hardy Pinks**, 7 varie-

ties, some everblooming, 75c per 100. \$7.00 per

1000. **Obl. Petunise**, 10 finest, \$1.00 per 100.

Rex Begonias, 15 sorts, \$1.10 per 100. **Alter-**

nanthera 2 reds, yellow, \$5.00 per 1000. **Ver-**

benas, 25 per 100. **Swainsona Alba**, 75c per

100. **Tradescantia**, 2 kinds, 75c per 100. **Ever-**

blooming Forget-me-nots, \$1.00 per 100.

Artillery Plant, 75c per 100.

—CASH—

BYER BROS, Chambersburg, Pa.

Always mention the American Florist when you order stock.

Adiantum Croweanum



The New Maidenhair Fern, stands squarely and strictly on its merits. ❖ ❖ ❖ ❖ ❖

Its sterling values considered, the selling prices of Adiantum Croweanum, as here given, are unusually low:.....

Strong Plants, from 3-inch pots, \$2.50 per dozen; \$15.00 per 100; \$125 per 1000. 25 plants at 100 rates. 250 at 1000 rates. \$100 per 1000 in 5,000 lots.

GENERAL AGENTS:

H. A. DREER, Philadelphia, Pa. W. W. BARNARD & CO., Chicago, Ill.
VAUGHAN'S SEED STORE, Chicago and New York. F. R. PIERSON CO., Tarrytown, N. Y.

W. F. KASTING,
Sole Distributor,
383-87 Ellicott St., BUFFALO, N. Y.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	6.00	40.00
ENCHANTRESS.....	4.00	30.00
H. FENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

Please mention the American Florist when writing.

Rooted Carnation Cuttings

—All Orders Filled in Rotation.—

	Per 100
Mrs. M. A. Patten.....variegated.....	\$6.00
White Lawson.....	5.00
Flamingo.....scarlet.....	6.00
Albatross.....white.....	5.10
Enchantress.....	3.00
Queen.....white.....	2.50
Boston Market.....white.....	3.00
Queen Louise, Lawson.....	2.00
J. H. Manley.....scarlet.....	2.00
Challenger.....scarlet.....	2.00

Write for Prices on Large Lots. 5 Per Cent Discount for Cash with Order.

Jas. D. Cockcroft, NORTHPORT, L. I., N. Y.

ROOTED CUTTINGS

That will give satisfaction and returns.

	100	1000		100	1000
Lawson.....	\$1.50	\$12.00	Q. Louise.....	\$1.25	\$10.00
Joost.....	1.25	10.00	Flora Hill.....	1.25	10.00
Marquis.....	1.25	10.00	White Cloud.....	1.50	12.50
Enchantress.....	4.00	30.00	Prosperity.....	1.50	12.50
B. Market.....	2.50	20.00	Estelle.....	2.00	15.00

Quality is Our Hobby.

W. C. HILL FLORAL CO., Sreator, Ill.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.

WM. PENN

READY NOW. NO WAITING.

A pleasing shade of pink, on a stiff, wiry stem. Growth clean and upright; no useless foliage. Flowers large enough for all ordinary purposes.

Will Produce More Flowers per Square Foot Than Any Carnation Now Grown.

Worth growing by the thousand but rather than have you miss trying it, I will mail free of charge 25 rooted cuttings for \$2.50; \$10.00 per 100; \$75.00 per 1000; 250 for \$ 8.75.

SEND FOR LIST OF OTHER VARIETIES.

Queen Louise and Lillian Pond, \$10.00 per 1000. Floriana and Harry Fenn, \$12.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226, Kennett Square, Phila.

NEW CARNATION William Penn

A seedling of Scott and McGowan. A very pleasing, salable shade of pink. Free and continuous bloomer, good habit, and should be planted by every grower, who uses his own flowers, because there are always plenty to use. I have grown it for five years and it has given me more good salable flowers per square foot than any other variety I ever grew.

Price per 100, \$10.00; 25 at 100 rates. Price per 1000, \$75.00; 250 at 1000 rates.

FRANK L. KOHR, Lancaster, Pa.
—R. F. D. No. 3—

Please mention the American Florist when writing.

Carnation Cuttings.

	Per 100	Per 1000
ENCHANTRESS.....	\$3.50	\$30.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00
QUEEN LOUISE.....	2.00	15.00
LAWSON.....	2.50	20.00
CRESSBROOK.....	2.00	15.00
CHALLENGER.....	2.00	15.00
MACEO.....	2.00	15.00
HARRY FENN.....	3.00	25.00
PROSPERITY.....	2.50	20.00
G. M. BRADY.....	3.00	25.00
FIANCEE.....	12.00	100.00

C. WARBURTON,
FALL RIVER, MASS.

National Florists' Board of Trade,

Office: 56 Pine Street, New York.

Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

European Horticulture.

(FROM THE BRITISH HORTICULTURAL PAPERS.)

MANURE FOR ROSES.—According to Rosentzelt, the best manure for roses is to give something like 100 pounds of well-decayed stable manure to every square yard of soil, two pounds of lime, five ounces of basic slag, and one-tenth pound of chloride of lime. The rose loves lime, and one can apply it in no matter what form.

A DAMP-PROOF POTATO.—Mr. Labergerie, a well-known agricultural authority in the Department of Vienne, in Central France, asserts that he has been able to produce a new variety of potato, which is damp-proof. By using a wild Uruguayan variety as one of the parents, he has raised a potato which flourishes best in wet soil, where its yield is about six times that of the ordinary variety.

URUGUAYAN POTATO.—At the last meeting of the Academy of Sciences particulars were given of a new variety of potato that grows best in damp soil. It has been developed by selection by M. Labergerie, of Verrieres, Vienne, from a wild Uruguayan variety. It yields seventeen per cent. of fecula or starch. When grown in dry soil the return does not exceed 10,000 kilograms (22,047 pounds) per hectare (2.471 acres), while in damp soil it yields 90,000 kilograms (198,414 pounds).

HORTICULTURE IN ITALY.—An increased activity in lines pertaining to horticulture all over Italy is plainly noticeable. There is no doubt that the great international show recently held in Turin has done and will do much to encourage and further the growing interest in matters horticultural.

COMBATING RED SPIDER.—Charcoal ashes dusted and powdered over and through the foliage of plants infested with red spider is recommended as an infallible remedy. The plants should be well sprinkled before applying the ashes.

JOHN SEDEN.—It is announced that John Seden, the well known hybridizer of James Veitch & Son, London, Eng., has retired from the firm on a well earned pension. Mr. Seden has been connected with Veitch & Son since 1861, and his name is familiar to plant growers everywhere through the many hybrids he has produced, especially among orchids. His efforts were not confined to orchids by any means as he has raised many good fruits and decorative plants.

BEGONIA GLOIRE DE SCEAUX.—Among the many winter-flowering begonias the variety under note should take a prominent place. Apart from its beautifully colored leaves, the majestic appearance of well-grown plants of this begonia serves to set off the stove or structure in which it is grown to a marked degree, while the flowers are hardly surpassed for beauty by any other winter-flowering subject grown. Neither can it be called difficult to grow, for with ordinary care and potted in a suitable compost this variety will make fine specimens and bloom right through the dull months of the year.

BRITISH SWEET PEA SOCIETY.—It has been arranged to hold the 1905 exhibition in conjunction with the Royal Horticultural Society at Vincent square on Tuesday, July 4. Upwards of £90 is offered in money prizes, and Sutton & Sons are presenting a silver challenge cup, value 15 guineas, in class 1, the society giving the winner a gold medal as a permanent memento. The schedule will be in the hands of all members by January 14. The "Sweet Pea Annual" will be published one week later, and will be sent free to members. Full particulars on any matter connected with the society will be gladly furnished by Horace J. Wright, 32 Dault Road, Wandsworth, London.

IMPORTED FLOWERS.—It would appear from the official records that the cultivators of flowers for market are more successful in meeting the demand for their products than are the growers of fruits and vegetables. While in several instances the imports of fruits and vegetables continue to increase year by year, the imports of flowers steadily decrease, although there is no diminution in their use. These facts suggest that the flower growers are not only showing greater activity, but are quick to take note of what flowers are likely to be in the greatest demand in the recurring seasons. The value of the flower imports for the past year was £242,454, against £248,689 in 1903, and £267,281 in 1902.

ECKFORD'S NEW SWEET PEAS.—Only three new sweet peas are to be distributed by H. Eckford this season, and though many lovers of these fragrant annuals will be somewhat disappointed that Henry Eckford and Queen Alexandra, not to mention other seedlings, are not yet obtainable, they will agree that the newcomers are excellent. The three are Romolo Piazzari, a brilliant blue, and an improvement long waited for in this section; whether Black Michael will supersede Black Knight remains to be seen, but there should be room for both; the third variety is David R. Williamson, named after the well-known horticultural cleric of Kirkmaldea, and it is

another beautiful blue sweet pea. We are pleased to note that Mr. Eckford is in his new list promoting strongly the aims of the National Sweet Pea Society, as he writes: "In the following pages a good many sweet peas are marked 'discarded,' I still grow and can supply seed of these, but it is my intention to eventually exclude them from the list, as other and better varieties in similar colors have taken their place." By this process of exclusion, the veteran raiser is doing almost as good service to sweet pea lovers as by the raising of new varieties.

SOWING CATTLEYA AND CYPRIPEDIUM SEEDS.—Do not attempt to open the capsules, but wait until these split naturally. To prevent the seeds being wasted, tie a piece of silk or paper around each pod before they split. The sooner the seeds are sown after ripening the better, and the usual seedbed is the compost in which other specimen orchids are growing. The compost should be moist at the time of sowing, and kept moist by gently dewing it over with a fine spray; watering in the ordinary way would swell the seed away. The seeds, of course, do not need covering; simply shake them out of the pods upon the compost, keep moist, and, if good, they will probably germinate in a couple of months. But it is not unusual for the seeds to lie for a year or more before germinating. At first the young plants are hardly visible to the naked eye, a little green globular mass, but as soon as the first leaf forms they can easily be seen. The greatest care is necessary, or these damp off before reaching this stage.

WHITE LAWSON which we introduced last season has given great satisfaction, and has proved to be **The Finest White Carnation ever sent out.** Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be filled strictly in rotation as received, so the earlier orders are booked the earlier deliveries can be made. We can supply **First-class strong rooted cuttings, \$7 per 100; \$60 per 1000.** Also the other novelties of the season—**Florence, Cardinal, Fred Burki** etc. Also the cream of older sorts—**Mrs. M. A. Patten, Daheim, Enchantress, Flamingo, Mrs. Thos. W. Lawson**, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.
Please mention the American Florist when writing.

Bedding Plants.

CASH WITH ORDER.

	Per 1000	Exp.	Mail
50,000 Alternantheras, red, yellow, \$5	\$15.00	\$ 65	
Alyssum, double sweet,	2.00	1.00	
Boston Ferns, 5-inch, 25c each, ..	3.00		
Feverfew, Little Gem,	\$15	2.00	1.00
Fuchsia 6 named varieties,	2.50	1.50	
25,000 Geraniums, Nutt and 20 other varieties,	2.50	1.50	
15,000 Geraniums, Mme. Sallerai	2.00	1.00	
Peonias, double fringed, white	2.50	1.50	
Pansies, Florists' International, in bud and bloom,	\$15	2.00	
Salvia, 4 named varieties,	2.00	1.00	
Forget-me-nots,	2.00	1.00	

LUDVIG MOSBAEK, Onarga, Ill.

SPECIAL OFFER
Of Florists' Orchids.

We Want More Room for Large Importations.

Cypripedium Insigne, 5,000 established unflowered growths, \$8.00 per 100; \$75.00 per 1000.

Cypripedium Callosum, 1,000 established unflowered growths, \$20.00 per 100.

Cypripedium Lawrenceanum, 1,500 established unflowered growths \$25.00 per 100.

Dendrobium Formosum Gigantum, The florists' white orchid, established plants, 8 to 10 bulbs, \$9.00 per 12; \$70.00 per 10.

Vanda Coerulea, The florists' blue orchid. A rare opportunity. Established plants, 10 to 12 leaves, \$15.00 per 12; 12 to 15 leaves, \$22.00 per 12.

All clean, healthy plants. For other quotations, see our catalogue, to be had from

Julius Roehrs' Exotic Nurseries,
Rutherford, N. J.

ALWAYS MENTION THE....

AMERICAN FLORIST

WHEN WRITING ADVERTISERS.

CARNATIONS

150,000 Rooted Cuttings.

	Per 100	1000
Queen Louise	\$1.00	\$10.00
America	1.00	10.00
G. H. Crane	1.00	10.00
Eldorado	1.20	10.00
Marshall Field	1.40	12.50
Armazindy	1.00	10.00
Mrs. Joost	1.00	10.00
Mrs. Thos. W. Lawson	1.40	12.50
Pres. McKinley	1.40	12.50
Success	1.00	10.00
Harlowarden	1.40	12.50

Unrooted cuttings at half price. Terms: Cash or C. O. D. with privilege of examination. Express prepaid at above prices and satisfaction guaranteed.

HERMITAGE CARNATION CO.,
LOOMIS, CAL.

Chrysanthemums

ARE OUR SPECIALTY.

Our Name is Associated with the
BEST AMERICAN INTRODUCTIONS.

Judge our This Year's Introductions by the Past.
Just as good, if not better.

We also have the
BEST FROM OTHER RAISERS HERE and ABROAD.

Our Catalogue for 1905 describes all.

NATHAN SMITH & SON, ADRIAN, MICH.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON	\$6.00	\$50.00
FLAMINGO	6.00	50.00
ENCHANTRESS	3.00	25.00
THE QUEEN	2.50	20.00
CARDINAL, from 2-inch pots	12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

Chrysanthemums Rooted Cuttings NOW READY.

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, F. A. Cobbold, Leila Filkins, \$3 per hundred.

Dr. Enguehard, \$4; Mrs. Thirkell, \$2.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants. Leading standard varieties. Write for list of varieties and prices. Cash or satisfactory references. Address

Baur Floral Co., Erie, Pa.

Orchids!



CATTLEYA MENDELL, just arrived in fine condition a shipment of this scarce and beautiful Orchid. Also Lælia Anceps and Oncidium Tigrinum, etc. Write for special list No. 14.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Please mention the American Florist when writing.

GARDENIA PLANTS.

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex

Peacock's ...Dahlias

For plants or bulbs address

L. K. PEACOCK,
Dahlia Specialist, ATCO, N. J.

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS, in bud and bloom, from 5-inch pots \$2.50 per doz.; \$20.00 per 100. PRIMULA CHINENSIS and OBSCURA GRANDIFLORA, in bud and bloom from 4-inch pots, \$7.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

GERANIUMS.

ROOTED CUTTINGS.

Fifteen varieties at \$10.00 and \$12.50 per 1000. Send for complete price list of GERANIUMS and CARNATIONS.

ALBERT M. HERR, Lancaster, Pa.

The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

SALVIA.

The two best sorts. LORD FAUNTLEROY, (dwarf). BONFIRE, (tall). Rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Send For Our List of other Stock.

The W. T. Buckley Co., SPRINGFIELD, ILL.

RUDBECKIA.

Extra obolus, large clumps.....\$5.00
Per 100
Asp. Sprengeri, extra quality, 2½-in. pots... 2.00
Asp. Plumosa, extra quality, 2½-in. pots... 2.50
Asp. Plumosa, extra quality, 3-in. pots.... 4.00

JOHN BROD, Niles Center, Ill.

Cyclamen Once transplanted, ready March 1. Seed taken from only the choicest stock—nothing better. \$2.00 per 100; \$18.00 per 1000.
C. WINTERICH, Defiance, O.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine lot of single and made-up plants as ever grown, 4-in., 5-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each.

BOSTON FERNS, 6-inch, \$30 per 100.

DRACAENA INDIVISA, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vland, S. A. Nutt, Castellane, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorite, 2-in. pots, \$2.00 per 100.

Unrooted cuttings of CARNATIONS. The best and cheapest way to buy them. Queen Louise, Portia, Crocker, Goodenough, 60c per 100. Lawson, \$1.00 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY, 2-in., \$2.50 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

COLEUS

ROOTED CUTTINGS

Verschaffeltii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000.

Golden Bedder (origina) and Hero 75c per 100; \$8.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

ACERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Revensal, rooted cuttings, 75c per 100; \$6.00 per 1000.

VINCA VARIEGATA, 3-in. pots, \$5.00 per 100.

FRANK A. PIERSON, CROMWELL, CONN.

Rooted Cuttings

PELARGONIUMS, 15 var., \$2.25 per 100.

VERBENAS, 30 var., 60c per 100 \$5.00 per 1000.

HELIOTROPE, 12 var., \$1.00 per 100, \$8 per 1000.

PETUNIAS, 20 var., \$1.25 per 100 \$10.00 per 1000.

SALVIAS, 6 var., \$1.00 per 100 \$8.00 per 1000.

GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.

AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.

COLEUS, 40 var., 70c per 100; \$6.00 per 1000.

DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

Pansies

Giant Guaranteed to please, \$2.00 per 1000. Safely packed with liberal count. Primula, Obs. Grandif., pinkshades mixed, in bloom, 2-in., 1½. Alyssum, Giant double, 2c. Heliotrope, blue, 1½. Fuchsia, 2c. Asp. Sprengeri, 2-in., 1½. Plumosa Nanus, 1½-in., 1½. 3-in., 4c. Rooted Cuttings, prepaid, per 100: Alyssum, Giant, 75c. Ageratum Gurney, 50c; Alternanthera, best red and yellow, 45c; fall rooted, extra strong, 5c; \$4.50 per 1000 Fuchsia, 5 fine sorts \$1.25. Giant Marg. Daisy, white, \$1.00. Rose Geranium, \$1.00.

—CASH—

BYER FLORAL COMPANY Shippensburg, Pa.

Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100

300 Pelargoniums, mixed, 2-in. pots.....\$2.50

Asp. Plumosa Nanus, small plants to close 1.75

10 Vars Geraniums 2½ pots and 2-in. pots 2.50

Asp. Plumosa Nanus Seed, February

\$5.00 per 1000..... .75

Alternantheras, red and yellow, March 1..... 2.00

10 Vars. Coleus, 2-in. pots, March 1..... 2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

PANSY PLANTS THE JENNINGS STRAIN

Fine plants, fancy colors, large flowering. Large plants in bud and bloom, \$1.00 per 100. Medium size for cold frames, \$3.50 per 1000; 600 for \$2.00. By mail, 75c per 100. Seed, \$1.00 per pkt.; \$5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT, CONN.

GROWER OF THE FINEST PANSIES.

FOR YOUR WANTS

—IN—

ROSES, BOSTON, PIERSONI and SCOTTII FERNS, ASPARAGUS PLUMOSUS and SPRENGERI, CARNATIONS, CHRYSANTHEMUMS and MISCELLANEOUS STOCK, Write

GEO. A. KUHL, Pekin, Ill.

Grower For the Trade.

Easter Plants

A SPECIALTY.

I have an increased stock this year, ready to bloom for Easter, including Spiraea compacta, floribunda. Japonica and Gladstone. Three houses full of choice Azalea Indica, all sizes and prices, 75c, \$1.00 and \$1.25; 1,500 Van der Cruyssen; Hydrangea Otaka; Cineraria hybrida, 6-inch pots; Japan and Harrisii lilies by the thousands; White Daisies; Ficus Elastica, 6 to 7-inch, \$8.00 to \$9.00 per doz.; Araucaria Excelsa, 7-inch, 30 to 35 inches high, \$1.50 each. Hyacinths Tulips. Von Sion daffodils. American Beauty, La France, and Roses, Bride. Everything in large quantity and at lowest prices. Watch for Special Easter Advertisement.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Toga 3869 A.

1012 Ontario St., PHILADELPHIA, PA.

Please mention the American Florist when writing.



Dahlias

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeland

the leading scarlet

cactus, \$3.00 per doz.; \$20 per 100. Other novel-

ties and standards. Also double field-grown.

Hollyhocks true to color, \$3.00 per 100. Gladioli,

Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist,
Box 382, DENVER, COL.

VERY LOW RATES Southwest WABASH

VIA THE

Feb. 7 and 21, and March 7 and 21.
THE WABASH

will sell special homeseekers' tickets from Chicago to many points in Texas, Louisiana, Kansas, Indian and Oklahoma Territories, at \$20 for the round trip. Limit, three weeks from date of sale.

For maps, time card and full particulars, address any of the undersigned.

T. P. SCOTT, Gen'l Agt., Milwaukee, Wis.

R. S. GREENWOOD, M. P. Agt., Chicago.

F. A. PALMER, A. G. P. Agt., Chicago.

C. S. CRANE, G. P. & T. A., St. Louis.

Newport, R. I. THE MARKET.

Business which started last week in good shape received a stopper on Wednesday when in common with the rest of New England the blizzard struck us. It was the worst storm ever experienced here. Retail prices for cut flowers, while not much changed are better maintained, and one can say that trade has picked up. Instead of carnations selling for 50 cents a dozen, with a few going at 75 cents, they are quoted at 75 cents, with possibly sales at 50 cents for something quite inferior. Roses, lily of the valley, and violets are the same as for several weeks past. On the avenue trade is slow as there are few society people here now, and there have been no fashionable functions going on lately that require flowers.

NOTES.

Last Thursday evening the annual celebration of the birth of Robert Burns was observed by the usual Scotch ball in Masonic hall. Many of our most prominent gardeners served on the various committees, and made the affair an unqualified success. James G. Kyle was floor manager, and he was assisted by Charles D. Stark, Jr.

James Boyd, head gardener to Mrs. William Astor, sent a lot of Harrisii blooms to New York this year for Mrs. Astor's ball. That the flowers might reach their destination in good order Mr. Boyd and his assistants went personally to New York with them.

The decorations at the dinner and cotillon of James Stillman in New York on Friday were of American Beauty roses simply, of which there was a great profusion.

M. Rice & Company of Philadelphia, are placing a great many goods in this section, especially in florists' ribbons and chiffons.

Arthur Griffin, head gardener to Elbridge T. Gerry, sent some superbly grown azaleas to New York for the Gerry ball.

Ernest Schoepke has been here for several days taking orders for a general line of nursery stock.

Mr. Hay, in the interest of Henry A. Dreer, of Philadelphia, has been here for a week.

Henry J. Hass made a trip to New York a few days ago. X.

Albany, N. Y.

F. A. Danker, the well known Maiden Lane florist, thought of a novel scheme of window decoration in honor of McKinley day. He decorated his window with vases of all sizes filled with thirty different varieties of carnations, most of which have been lately introduced. Among the varieties shown were Enchantress, Mrs. Patten, Daheim, Lady Bountiful, Judge Hinsdale and White Lawson. Occupying a prominent place in the exhibit was a large framed portrait of the late president.

Governor Higgins gave a dinner January 28, at the executive mansion to prominent society people of the city. Covers were laid for twenty-eight and the decorations, supplied by Eyres, were in white and lavender colored lilacs.

The annual dinner of the Albany County Republican Organization will be held in Odd Fellows' hall on the evening of February 14. The floral decorations will be by Eyres.

R. D.

JOSEPH HEACOCK,

WYNCOTE, PA.

—GROWER OF—

Kentia Belmoreana and Kentia Forsteriana

Please mention the American Florist when writing.

Asparagus Plumosus Nanus

Fine plants. 3-in., \$3.00 per 100; 4-in., \$7.00 per 100.

CARNATIONS, unrooted cuttings. Eucharis. \$1.50 per 100; Lawson, 75c per 100; Crane, America and F. Hill, 50c per 100.

SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.

FERNS for FERNERIES

All the popular sorts. Fine bushy plants, 3-inch pots, \$8.00 per 100.

Chas. A. Knapp, CHESTNUT HILL, PA.

BOSTON FERNS.

Extra fine stock, cut from bench now ready for 5, 6, 7 and 8-inch pots. at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Please mention the American Florist when writing.

CANNAS.

In 20 best varieties. For prices see AMERICAN FLORIST, January 28, page 57.

CARNATIONS, from 2-inch pots and rooted cuttings. My stock is to A No 1 shape and sure to please. Get my prices before ordering elsewhere. 5 and 6-inch RUBBERS, 30c each.

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IT WILL PAY YOU.

Tuberous Begonias planted now will make excellent spring bedding plants. We will mail collections for \$1.00, \$2.00 or \$3.00 in single and double, separate colors or mixed. SEND NOW.

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TINY PLANTS, in 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100.

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Latania 8or., 2-in. pot,	seed leaves..	3.00
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Kentia Bel., 2 1/2-in. pot, 6-8 in., 2 leaves..		10.00
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\$5.00 per 100, Strong 2 1/2-inch pots. The best of Maidenhair Ferns. Over 100 testimonials from leading growers.

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Strong rooted runners of BOSTON,

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PALMS, FERNS

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Decorative Plants.

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Asparagus Plumosus,

50 CENTS PER STRING.

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"	3.	4x 8x18	2.50	23.00
"	4.	3x 5x24	2.75	26.00
"	5.	4x 8x22	3.00	28.50
"	6.	4x 8x28	3.75	36.00
"	7.	6x16x20	5.50	54.00
"	8.	3x 7x21	3.00	28.50
"	9.	5x10x35	6.50	62.00
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Made by HAMMOND'S SLUG SHOT WORKS, Fishkill-on-Hudson, N. Y.

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SAVE YOU MONEY
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Tobacco Stems
60c per 100 lbs.
In bales of 200 to 250 lbs.

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Your Plants
Made to look strong and healthy
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RED STANDARD POTS. Price per 1000 f. o. b.
Harrison: 2-in., \$2.25 2½-in., \$2.70; 3-in.,
\$3.25; 3½-in., \$4.25; 4-in., \$5.50; 4½-in., \$6.50; 5-in.,
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From New South Wales.

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please find postoffice order in payment
of my subscription to the **AMERICAN
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advertisements that are of consider-
able interest to me in my business.
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The WHILLDIN POTTERY COMPANY,
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THE KELLER POTTERY COMPANY,
Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**



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Paducah Pottery,
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The neatest, simplest, most
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practical device for convert-
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hanging baskets. They fit
all standard made pots from
2 to 10 inches in diameter.
The illustration shows how
they are attached. Just the
thing for hanging up ferns,
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use. Try them.

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Price with wire chain as
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Packed in small crates, easy to handle.		Price per crate		Price per crate	
1500 2-in., in crate, \$4.88	120 7-in., in crate, \$4.20	1500 2½ " " 5.25	60 8 " " 3.00	HAND MADE.	
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Seed pans, same price as pots. Send for price
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"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

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3-30x8, each.....	\$ 70.00
3-36x10, each.....	90.00
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1-Cast-Iron "Florida" Heating Boiler, capacity 1000 feet.	

Also high pressure boilers of every kind, and a large lot of cylinder boilers of all sizes.

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Large quantity of boiler tubes, ranging in sizes from 2 to 6-inch. Ask for price.

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All sizes from 3/4 to 14-inch, overhauled and complete with threads and couplings.

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Exchange for Cash

Economical florists get our prices on Glass, Boilers, Ventilating Apparatus, Fittings, Pipe, White Lead, Paint, Putty, Hot Bed Sash, Etc.

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References: Dunn, Bradstreet, and Broadway Bank of Brooklyn.

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VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

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Improved Vaporizing Pans **VENTILATING**
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DES PLAINES, ILL.
SEND FOR CATALOGUE.

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GLASS.

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be sure
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French and American "WHITE ROSE"
Brand.

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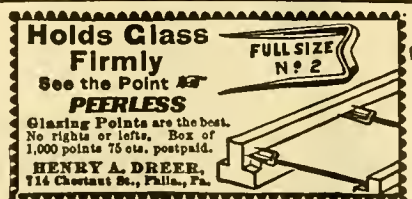
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GLASS AT WHOLESALE.

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Greenhouse Glass a Specialty.

208 Randolph Street, CHICAGO.

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The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

THE price of Belgian glass is reported to have advanced at a great rate, and the value of exports during the last eleven months has diminished 10,500,000 francs. Exports during last November alone amount to 1,500,000 francs less than exports for the same month of the preceding year.

The New York Glass Market.

Trade in the local market has improved slightly, but the volume of sales for the week is not as large as it ought to be at this time of the year. The manufacturers are still quoting jobbers the same prices as announced on January 11, says the Oil, Paint and Drug Reporter. It is claimed that the Manufacturers' and Jobbers' Window Glass Association control about 1,045 pots, including firms whose output has been sold under contract to the jobbers who are members of the association.

The Oil and Paint Trade.

The demand for white lead shows less strength, which also applies to lead in oil as a result of the sharp break of 15 cents per 100 pounds for the metal, says the Commoner. Dry white lead met with a good demand, which, however, dropped off, owing to the drop in the metal. Sales of parcels for delivery not beyond April have been made at 5¼ cents and upward. The withdrawals on contracts for lead in oil were large and additional orders have been booked at 6¼ cents and upward. Foreign makes are a shade easier in tone and quoted at 9¼ cents, but sales have been light.

The market for linseed oil remains quiet, but prices hold firm and no disposition is being shown by crushers to urge sales. State and Western raw American is quoted at 41 to 42 cents and city raw at 43 to 44 cents. Boiled city is quoted at 2 cents per gallon higher. Contract sales were light, but we hear of some 1,000 barrels of Western raw having changed hands at 41 cents for later shipment. The jobbing demand has been fairly good. No change in prices in the immediate future is looked for.

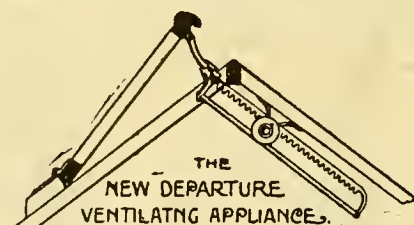
Greenhouse Heating.

ED. AM. FLORIST:—How much pipe will it require to heat four houses, 28x200, 30x200, 22x125 and 22x140 feet respectively? Two houses have 14-foot ridge and two a 10-foot ridge. How many runs of pipe will I need in each house and should it be 1½ or 2-inch? What size boiler in horse-power will be necessary to do the work, the temperature outside never falling below 16° below zero? The north wall of the 28x200 foot house is 7 feet and the south wall 5 feet high.

H. S.

The question does not state which houses have the 14-foot ridge but it is taken for granted that it is those that

have the greater width. Neither is anything said regarding whether steam or hot water is to be used but, from the size of the pipe, it is inferred that the latter will be employed. Another important detail, viz., the temperature desired in each of the houses is not furnished but it will be supposed that 60° is desired. For houses of the length mentioned, it will be advisable to use 2½-inch pipe for the flows and 2-inch for the returns. To heat the house 28x200 feet, six flows and 12 returns will be desirable. If the house 30x200 feet has no exposed walls, as is inferred, it also can be heated with six flows and twelve returns. If there are walls, an additional return will be needed. For the house 22x125 three flows and ten returns will answer. It is understood that the house 22x140 has one wall exposed. If such is the case, it will be well to use four flows and ten returns.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Greenhouse Material

of Louisiana Cypress and

OUR FACILITIES INCREASED
OUR GRADES INVARIABLY THE BEST.

Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 615 to 621 Sheffield Ave., CHICAGO.

Please mention the American Florist when writing.

To furnish the heat for four such houses, it will be well to put in three boilers rated for 3,000 square feet of hot water radiation each.

L. R. T.

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Some soil raises better crops than others because it contains more nitrogen.

Fertility germs draw nitrogen from the air—deposit it in the soil—make the land rich—insure immense crops.

NITRO-CULTURE

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Hot Bed Sash

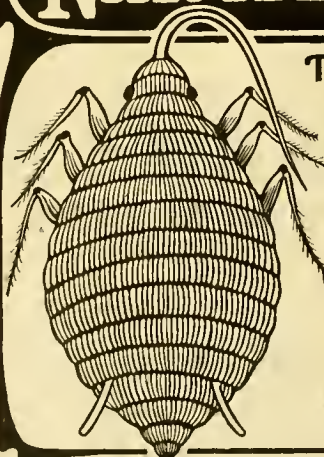
Washington Red Cedar

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DON'T ACCEPT INFERIOR IMITATIONS
PRICE 60¢ PER BOX OF 12 SHEETS
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HARMAN The Florists' COAL MAN

Let Him Quote Prices on Your Present Needs and on Your
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PRODUCER, JOBBER AND PROMPT SHIPPER OF BITUMINOUS COAL

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'Phone Harrison 3798 and 3799.

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Sun Cured CYPRESS Greenhouse Material

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HOT-BED SASH.

Tennessee Red Cedar Posts.
Pecky Cypress bench lumber.

FOLEY Ventilating Apparatus.
Galvanized vent sash hinges,
screw eyes, screwhooks, U
bolts, Galvanized turn-
buckles and wire.

FITTINGS for Purlin and
Ridge Supports.

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New Roof Construction, Automatic
Stokers, Water Tube Steam Boiler,
Automatic and Hand Ventilators.....
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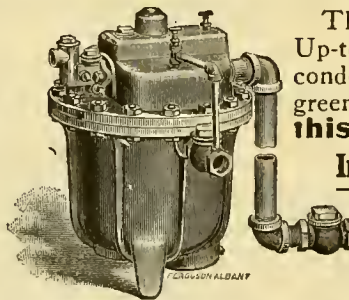
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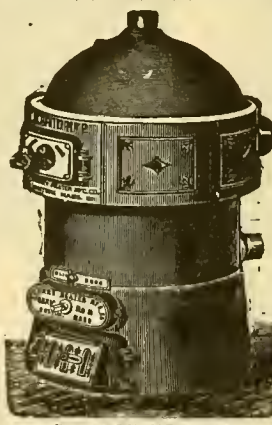
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at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT
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AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
March 23-26, 1905. Wm. J. STEWART, 11 Hamilton
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Annual convention and exhibition, November,
1905. FRED. H. LEMON, Richmond, Ind., secretary.

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American Breeders' Association.

SECOND ANNUAL MEETING.

The second annual meeting of the American Breeders' Association was held in Morrow hall of the agricultural building of the University of Illinois, at Urbana, Ill., February 1, 2 and 3. In the absence of Hon. James Wilson, secretary of agriculture, president of the association, vice-president L. H. Kerrick, of Bloomington Ill., occupied the chair. Addresses of welcome were made by Dean Eugene, Davenport, Ia., on the part of the College of Agriculture and by Hon. A. P. Grout, representing the Illinois Live Stock Breeders' Association. The response was made by Dr. H. J. Webber, of the United States department of agriculture. Dr. Webber advocated the registration of plants by the national associations interested, and that these records be published so that the plant breeder may have a similar record to the pedigree books of the animal breeders' associations.

The first paper was read by Prof. W. M. Hays, assistant secretary of agriculture, on the subject, "The Breeding of a Hardy Alfalfa." The first paper of the afternoon session called forth considerable discussion. It was by Dr. George T. Moore on "Breeding Nitrogen Fixing Clover Bacteria." The paper on "Breeding Grapes," by F. V. Munson, Denison, Texas, was read by Mr. Rowe. The author detailed the method followed in securing an early red market grape. Lindley x Delaware gave the variety Brilliant; Moyer x Brilliant resulted in the new grape, Headlight, regarded as a notable advance in grapes of this class.

"Improvement of the Strawberry by Selection," was the subject of F. E. Beatty, of Three Rivers, Mich. The Clyde is being selected to increase the amount of leaves. The Gandy, which, on the other hand, tends to make too much foliage, is being selected for an increased number of crowns. William Belt, a variety susceptible to the rust, has been improved by continually selecting plants most resistant to the disease. Rust could be controlled by spraying, but for the average planter, it was best to procure a resistant strain of this variety.

"Plant Improvement by Hybridization," by H. H. Groff, Simcoe, Ont., was read by Professor Rankin. The writer believed in making crosses between every available type of plant

in order to secure all the benefits of existing material. The use of every wild species was recommended as each will prove useful in some feature valued by us. New domestic types are thus created which, as sires, will prove of value in revitalizing crosses with existing varieties.

"Our Breeding Interests," was the subject of an excellent address by Prof. Hays who stated the favorable attitude of the department of agriculture and told of the co-operative work being done in plant and animal breeding. "Breeding Disease Resistant Plants," was the topic of W. A. Orton, assistant pathologist of the department of agriculture. Lantern slides were used to illustrate the work done with Sea Island and Upland cotton and with watermelons. The forenoon of the second day was given to the consideration of animal breeding.

C. W. Ward, of Queens, N. Y., gave a most excellent address on "Carnation Breeding" which he illustrated by means of colored lantern slides. The speaker exhibited what was considered as the original type of the carnation and traced its evolution until the present day. The various color sections into which commercial men divide carnations were shown, as well as some freaks in hybridization. The speaker gave statistics showing the magnitude of the carnation industry.

"Hereditry" was the subject of a paper by Luther Burbank, of Santa Rosa, Cal. Professor Hays prefaced the reading of the paper by saying that Mr. Burbank was an artist in plant breeding in that he could select out of a vast number of seedlings those which were likely to prove of value and thus avoid the necessity of testing any but the worthy few. No man in the world has done as much in practical plant breeding or had a greater insight of the philosophy of the subject. The author defined hereditry to be "the sum of all the environments of all the past." The treatment of the subject was philosophical and intensely interesting.

Dr. H. J. Webber gave the association the "Explanation of Mendel's Law." The number of questions asked by practical animal breeders evidenced the great interest of the American farmer in the science relating to his business. Professor W. J. Spillman gave an instance of a lot of apple seedlings which tended to show that the apple obeyed Mendel's law. In a lot of

1,000 seedlings seventy-five per cent produced sweet apples, showing that of the contrasted characters, sweet and sour, sweet was the dominant character. If this be true the possibility of obtaining fixed varieties from seed and the probable result of crosses to improve certain varieties can be largely predicted. Professor Emerson, of Lincoln, Neb., gave the results of breeding beans. Considering stringiness he found that the longitudinal and the transverse strings of the pods do not constitute a pair of contrastive characters, and that seedlings of crosses between string and stringless beans often have one without the other. The bush and vine characters follow Mendel's law.

The afternoon session was devoted to the discussion of "Corn Breeding," by Dr. C. G. Hopkins, of Urbana, and C. P. Hartley, of Washington, D. C. The session closed with an exhibition of moving pictures showing the processes in breeding wheat at the Minnesota experiment station. A reception was tendered the visitors Thursday evening by Dean and Mrs. Davenport, at their home.

The old officers of the association were re-elected with the exception of Dr. H. J. Webber, who declined the nomination. C. W. Ward was chosen chairman of plant section to succeed him.

Among those present were the following: Dr. George T. Moore, Dr. H. J. Webber, Professor W. J. Spillman and C. P. Hartley; Professor W. M. Hays, Minneapolis, Minn.; Professor Oscar Erf, Manhattan, Kan.; Professor E. P. Sandsten, Madison, Wis.; Dr. C. E. Saunders, Ottawa, Canada; Chas. D. Woods, Orono, Me.; A. J. Glover, Fort Atkinson, Wis.; Frank Hastings, Stamford, Texas; C. W. Ward, Queens, N. Y.; W. W. Tracy, Detroit, Mich.; Professor R. A. Emerson, Lincoln, Neb.; Professor F. B. Mumford, Columbia, Mo.; Professor J. H. Skinner, Lafayette, Ind.; Leonard H. Vaughan, Chicago.

Plant Improvement by Hybridization.

[Abstract of a paper by H. H. Groff, of Simcoe, Ont., presented at the second meeting of the American Breeders' Association, Champaign, Ill., February 1-3, 1905.]



At the last meeting of your association, held at St. Louis in December, 1903, I presented a brief address on the general advantages to be gained by breeding from "tame" versus "wild" species.

In presenting these advanced views, which were the result of years of personal observation and practical experience in such system of plant breeding, I took it for granted that the primary point, as to the actual possibility of creating domestic species by hybridization, had been generally admitted, in fact, some two years ago I recorded my contention on this point through the New York horticultural press.

It was therefore with some surprise that I saw the recent references made by Prof. de Vries of Holland, in his address at St. Louis last September, reported as a "discovery." If there is such a discovery in connection with this important result of scientific plant breeding, and if my original public reference to the fact antedates that of

Prof. de Vries, I desire to claim the honor for America.

The Darwinian theory as to the natural creation of species, is none the less true, but that such theory was intended to be accepted as an insuperable barrier to the results of scientific effort, could never have been thought of. It stated what we know to be perfectly true in nature—that the creation of wild species requires ages of time—but as I have recently expressed it, "the unfettered mind of man has bridged the ages, and in hastening evolution by hybridization, has rushed into the eons of the future, and laid their treasures at our feet."

It would not be possible in a paper features of this important aspect, resulting in my experience from my recognition of domestic species among my advanced creations, during years of constant and critical observation in the field, from several hundred thousand new seedlings of the gladiolus, as such detail is capable of limitless elaboration as to its actual and possible application



The Late Chas. A. Keyes.

(See obituary, issue of February 4, page 77.)

in scientific and economic plant breeding.

You will appreciate my statement when I say that, although endowed with a fertile imagination and optimistic temperament, with the added advantage of a life of business training to perfect my mental balance, I confess to a feeling of helplessness at the immensity of the visible field, for practical, valuable and useful results, arising from my limited application of the system of plant breeding advocated by me.

I used the word "limited" advisedly, for the reason that my use of parents bred from various wild species, has been with the object of meeting existing commercial and popular demands, and consequently I have only attempted a few of the many lines of possible use at my disposal. You will therefore understand me when I claim the limitless possibilities opened up by the few lines so selected, as compared with an attempt to compass the immensity of the whole of the visible field.

Here again the visible field is found to be but a border of the limitless reaches of eternal possibilities, and can

you wonder that if the human mind palls at the prospect opened up by a fraction of its revelations, how may we hope to grapple comprehensively with its immensity, were even a portion of the remainder effectively availed of? Then, further experiments in a fraction of a section of the visible field, have proved to me that even here the development of new forms and types promises to multiply indefinitely, in the subsection so chosen for elaboration; so that specialization becomes imperative, and having chosen the best lines apparent to our restricted perception, it would not be wise—if it were possible—to return to the center, and radiate indefinitely in aimless experiment.

The practical and general application of my system may be outlined as follows: In order to secure the benefits of existing materials, make crosses between every available type, regardless of apparent objectionable characteristics.

Select sires from these and use on every wild species obtainable, on special and general lines—crossing and re-crossing until desirable types are produced.

Then bring the selected offspring of all wild species together in intercrossing on special lines, as each wild species will prove more useful than another in some individual feature valued by us, for, as already indicated by me, specialization becomes imperative.

The result of the foregoing will be the creation of new domestic specific types, valuable as sires for use in revitalizing crosses on existing varieties of merit, and the production of new forms and types of unexpected quality and value.

Novelties.

It has seemed to me of late that there has been much improvement on the part of our catalogue men, in the method of selecting and pushing novelties; that the specialties of this kind now put before us, as a whole, have more of merit, and that there is less fantastic fiction in the descriptions and claims put forward for them. It may be that our tendency to avoid buying from the lying catalogues, or dealing at all with the makers of them, has caused us to be stricken off from the mailing list, and hence we do not see as much of such practice as in the past. However, I hardly think that this is the explanation. Our leading catalogue men, it is quite certain, have discovered that exaggeration and deliberate deception does not pay; and that the following up of this practice in the end results in a loss.

It is quite true that a new "sucker" is born every minute, but the bankrupt court waits for those who continuously depend on "new suckers" for their business. There are fine novelties put out by the leading firms today which have not some merit, and, knowing how uncertain all things horticultural are, it is fair to say that the proportion of rank failures in this class of stock, now, is not greater than may occur by accident and after supposed conclusive tests.

New, odd and rare plants and flowers may be considered almost essential to the successful conduct of the florists' business today. Reference is not here made to new varieties which are bought as improvements on existing staples,

and for the displacing them, as being better, or more prolific, or more vigorous, but to these new and interesting things which are continually being put out, for which there will be only a limited, and possibly short lived demand. They are always expensive to buy, often difficult to handle, and generally, if one comes out whole on them in direct cash results, he is fortunate. It is in the indirect results that such things

WITH THE GROWERS

Julius Roehrs Co., Rutherford, N. J.

We present in this issue a number of illustrations showing some of the leading features of the well known establishment of the Julius Roehrs Company, Rutherford, N. J. The name Roehrs associated with high grade plant stock

the rare *Phoenix Roebelinii*. Orchids, especially cattleyas, are extensively grown for the cut flower market. The orchid houses, however, are by no means devoted to cattleyas exclusively. All the leading cut-flower kinds such as *oncidiums*, *phalaenopsis*, *Dendrobium*, *Phalaenopsis*, *D. formosum giganteum*, *Vanda cœrulea*, etc., are grown in quantity.

Thompson Carnation Co., Joliet, Ill.

Those who visited the Chicago convention of the American Carnation Society a couple of weeks ago no doubt visited the establishment of the J. D. Thompson Carnation Company, at Joliet, Ill., and saw for themselves what was going on there. It is always interesting to note what such exclusive specialists are doing in their line, and for the benefit of that large section of our readers which has had no opportunity to visit the place we now present some notes made at this place two weeks before the convention. The varieties grown and quantity of each are as follows: Boston Market, 8,000; Governor Welcott, 8,000; Enchantress, 6,000; Nelson Fisher, 6,000; Mrs. Patten, 4,000; Mrs. Lawson, 4,000; Estelle, 4,000; Mrs. Nelson, 2,000; Robert Craig, 2,000; Flamingo, 2,000; The Belle, 1,500; The President, 1,000; Lady Bountiful, 500.

Robert Craig of course, is the most interesting variety on the place. Unfortunately, however, most of the plants were cut back very close for cuttings, as 20,000 plants are to be grown next year. This is a fine scarlet, with flowers three and one-half to four inches in diameter, borne on excellent stems. Robert Craig will be distributed next year by this firm and C. W. Ward, of Queens, N. Y., Mr. Ward being the originator. The sale of cuttings we understand, will be limited to 400,000, the greater part of which are already ordered.

Nelson Fisher will take the place of Mrs. Lawson hereafter. The former, Mr. Thompson says, produces more blooms of better color and form with longer stems than Mrs. Lawson, and it ships better. Where seventy-five per cent of Mrs. Lawson's flowers split, only five per cent split of those of



HOUSE OF PHALÆNOPSIS AMABILIS AT THE JULIUS ROEHR'S COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.

have their greatest value. Of course care and judgment must be used in their purchase or much loss may occur. The extent of the business and the character of the patronage must be fully considered. Such purchases can often be considered rather as advertising expenditure, than as merchandise transactions.

The impression that one is up to date, that at his establishment all the new things are to be found, is a good one to go out among buyers. A judicious sprinkling of novelties, a few well grown specimens, and a few of the old and unprofitable, but interesting, things, tones up the whole place and draws trade.

There is no form of advertising so effective and so cheap as a notice in the local paper that at the Jones Rosarium the new orchid flowered tobacco or the new shasta daisy or the everblooming rambler rose is now in bloom and the public is invited to call and inspect it.

Let us all then, each according to his means and the limitations of his business, invest in a few novelties each year, exploit them in every legitimate way, and, if they do not return the money expended for them a hundred fold and do not prove to have pre-eminent and lasting value, yet be sure that they have paid indirectly, and paid well.

W. N. RUDD.

ATLANTA, GA.—Ben Gillespie has resigned as florist and gardener of Grant park. He was elected to that position by the park board but three weeks ago.

HOUGHTON, MICH.—The Lutey Floral Company has been placed in the hands of John H. Holman, as receiver. The company has stores and greenhouses at Houghton, Chassell and Catumet, and the trouble is thought to be due to branching out too extensively.

is known to every plantsman in America and to all the prominent growers abroad. A visit to this establishment is well repaid at any time of the year and more especially so a few weeks before the Christmas and Easter holidays, as the firm makes a specialty of producing fine flowering and foliage plants for the eastern markets. There is hardly anything in the decorative plant line that can not be found here in the best possible condition and this applies with equal force to leading lines of flowering plants. A few of the specialties which are exceedingly well grown include ardisias, *Begonia Gloire de Lorraine*, *Dracæna terminalis* and



HOUSE OF PALMS AT THE JULIUS ROEHR'S COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.

Nelson Fisher grown under the same conditions.

Boston Market is one of Mr. Thompson's favorites. This variety blooms very freely and the stem is good. There has been a larger sale here of rooted cuttings of this variety than of any other standard sort.

Flamingo from outdoor plants has given much more satisfaction than those grown indoors all season. The flowers of this variety turn black when cut.

Estelle, which Mr. Thompson considers the best scarlet in commerce, will be dropped in favor of Robert Craig, the only scarlet he will grow next season.

The Belle and Lieut. Peary, with a few Boston Market, will be grown for white, and Governor Wolcott will not be grown next season.

Prosperity in this market does not pay for the room it needs, and therefore will not be grown again.

Mrs. Nelson will not be grown next season, as the flower is considered too small.

The President for crimson blooms quite freely and the shade is good.

The Belle Mr. Thompson considers better than any Lady Bountiful.

Enchantress has produced here a pink sport of Scott shade.

Mrs. Patten has produced a pink sport of Lawson color.

Cyclamens and Schizanthus.

At the nursery of Hugh Low & Company, Bush Hill Park, Middlesex, Eng., I recently saw well flowered plants of a new variety of distinct salmon cyclamen, named Low's Salmon. This evidently will be well known soon, as, besides being a form of giganteum, it is quite a new type, in addition to being a favorite color. In separate houses I saw well flowered plants of the feathered variety, Bush Hill Pioneer, in white, rose, red and salmon shades. A large house was filled with young plants of this firm's new dwarf Schizanthus Wisetonensis grown like primulas but somewhat cooler.

L. J.

ROCKFORD, ILL.—Mrs. H. W. Buckbee left this week for California.

THE ROSE.

Proper Starting of Young Stock.

Rose cuttings require about three weeks' time under favorable conditions to become rooted sufficiently for potting, perhaps a few days less, or a little longer, as the case may be. To be on the safe side cuttings may be lifted here and there and if the roots have attained a length of a half inch or even less, they are ready for the pots and can be handled without injuring the roots. Two or three days later it would hardly be possible to pot them without breaking many roots, causing a slight check at the very beginning.

Before going any farther, the preparation necessary for potting should be attended to. For Bride, Bridesmaid, Golden Gate and any other cuttings made from small wood, a 2½-inch pot is about the proper size. For American Beauty cuttings it is advisable to use 2½-inch pots. I find that washing old pots will keep the soil fresh for a much longer period than to use them in a somewhat mouldy condition. If new pots are used they should be placed in water until soaked through and then placed where they will drain. As soon as the surplus water is drained off they are ready for use. The benefit of this treatment will be noticed in the easy manner in which the plants take the water after potting. If new pots are used without previously soaking them, quite a number break when watered the first time and it takes so much water to wet them through that the soil is left in a muddy condition which should certainly be avoided.

Now we must look up a suitable house in which to place the young stock. This is one of the essential requirements and must be carefully looked after. Select a house where the young plants can get plenty of sun and where the piping is sufficient to heat the house at night from 56° to 58° in any kind of weather. Clean the benches thoroughly and if any cracks wide enough to let the ashes sift through are at the bottom of the tables, tack thin strips over them or spread excel-

sior over the cracks. The face boards should be dropped to about three inches as it will be found quite difficult to water or syringe properly otherwise. Now place coal ashes that have been screened quite finely about three-fourths of an inch deep on the tables, and after leveling, water down and pack firmly enough to keep the pots from settling.

Then comes the mixing of the soil. Select rather stiff soil, full of fibre, and add about one part of thoroughly rotted cow manure to five parts soil; the whole should be dry enough to screen easily, using a screen having a half-inch mesh. Mix thoroughly and do not allow the soil to become dry. The soil should be just moist enough to settle closely, without packing hard as it will do if too wet. In potting, have the roots well up in the top of the pots, leaving the pots almost filled with soil. In order to pot a rose properly, sift the soil loosely around the cutting which is held with the roots near the top of the pot where the soil is slightly rounded above the pots, instead of pressing the soil tightly around the roots with the thumbs. Use a slight pressure of the thumbs until the cutting is held firmly. American Beauty cuttings must be potted in this manner and with the greatest care, to have them start off nicely. Select the most careful men you have for this work and do not let them try to break any records as to the number potted in a day. Several hundred can be potted before running them in on the table, if kept in the shade.

After placing them in the house, water carefully with a medium rose filling the pot; they can be watered again in an hour or two. Do not try to give them enough to do them in one watering, which makes them too sloppy. After the second watering knock out a plant here and there and see that the water has reached the bottom of the pot. To avoid over watering in spots, place a blank label in the pot where the watering was left off.

If it is a bright day the plants should be shaded immediately after they have been placed on the table and watered. The shading should not be placed next to the foliage, but raised 6 or 8 inches above, to allow free circulation of air. Shading by laying paper over the cuttings is a very poor method; cotton cloth tacked on light frames does not cost much and answers the purpose in every way. They can be used for several seasons if placed away carefully after using them. The shading should be removed on cloudy days and by allowing the sun to strike them a little longer each clear day until root action takes place, it can then be removed entirely.

Keep the soil in a fairly moist condition until they are well rooted through; then they will be able to take a greater quantity of water. Syringe in bright weather and fumigate lightly about every ten days. Keep a little sulphur on the pipes constantly; spot out all the dry plants previous to giving them a general watering. On bright days with plenty of ventilation the temperature may go as high as 75°; on cloudy days, 62° to 65°, and from 56° to 58° at night. If this method of treatment is carried out faithfully I am quite sure the result will be a thrifty lot of young stock. Further treatment, repotting, etc., will be mentioned in due season. E.



AN IMPORTATION OF CATTLEYA PERCIVALIANA JUST RECEIVED AT THE JULIUS ROEHR'S COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.

Rose Troubles.

ED. AMERICAN FLORIST:—

What shall I do with my roses? In 1893 about two inches of cinders were placed on the bench and over this about four inches of soil mixed with refuse from a nearby slaughter house and the roses benched. They did fairly well when in 1894 the plants were taken out and planted outdoors. A little fresh soil was added to what was left in the

for his next rose venture, which will be a real help. E.

Rose Mme. Levvasseur.

What a beautiful thing that new rose Mme. Norbert Levvasseur (Baby Rambler) is and what uses innumerable it can be put to despite the fact that the poor little thing has been so terribly handicapped by the two names given it. The French one is so cumbersome

That this rose will be in great demand for years to come goes without saying, and the ease with which it can be propagated will not to any great extent lessen the demand, at least not for some time. I think every one will want to have it, and when it can be produced at reasonable cost every one will get it. But let those who stand sponsor for it have another try at naming it, even though they may ask, "What's in a name?" Not a great deal, perhaps, but there is a great deal in that rose. DAVID MCINTOSH.



DRACÆNA TERMINALIS AT THE JULIUS ROEHRS COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.

bench and more roses were planted. In November I found the plants badly mildewed and making little growth, many of the balls showing half an inch above the soil. On examination I found the balls on the cinders and not enough soil to cover them. I put on a mulch of about an inch of soil and manure from an old hot-bed and they seemed to appreciate it but the old soil "cuts like cheese," and although I have dried until the leaves fall off, the bottom of the bench seems "soggy" and some of the plants are of that light color indicating wet feet. The growth has been much longer, but too weak to hold the buds straight.

I ordered the night man to keep the houses at 50° at the north end which makes about 60° to 62° at the south, but I have caught it as low as 43° at the north end. I have just put on another mulch on one part, an inch of well rotted manure and soil, half and half; on another part manure alone and on the rest nothing. Would a little lime or ashes be of benefit? J. Q.

In reply to "J. Q." who has been having trouble with his roses, there is but little to be said. His methods were all wrong since he started them in 1893, twelve years ago. "J. Q." has had ample time to have found out his mistake since. Evidently he does not take any of the trade papers which have contained many articles since 1893 from the pens of some of the best growers in the country, which surely would have enabled him to have avoided the many mistakes mentioned. I earnestly advise "J. Q." to subscribe for the AMERICAN FLORIST and he will perhaps find something to guide him in the start

and so devoid of suggestion that it is little wonder those interested since its introduction in this country sought for it a name more suitable. That the latter have entirely succeeded will not be admitted by those most concerned. The name Baby Rambler would seem to indicate that at some future time it would grow out of its babyhood and be a real Rambler. It will not, it is to be hoped, ever ramble, but remain the bright, cheerful, chubby little beauty it is now.

American Hawthorns.

For handsome flowers in spring, attractive foliage in summer, showy, conspicuous fruit in early and late fall, bold distinctive habit of branching, which is so noticeable in winter, and virile, absolute hardihood, there are very few American shrubs or small trees that can compare with the American hawthorns. They adapt themselves to all kinds of ornamental plantations, whether in the ornate effects of well kept private estates, or in the broad effects of large pastoral or rural parks; anywhere, where the soil is adapted to them, they give dignity and harmony to the surroundings. They seem to prefer heavy, stiff limestone soil in native conditions, and as far as we have observed they occur very sparingly in light, sandy soil. We have planted them occasionally in sandy, light soil, but in a dry season the foliage will present a blighted appearance, and prove that in such conditions they are not happy.

There is a more or less prevalent idea amongst ornamental planters, that the American hawthorns are difficult to plant and transplant successfully. Our experience with them (and we have handled many of them, from small seedlings out of the seed beds, to plants ten and twelve feet tall, dug from wild copses) has been one of very few failures. In transplanting individuals of considerable size, either from the nursery, or growing wild, they should be pruned back quite severely, and given reasonable care in other respects, and in two or three years'



DRACÆNA MASSANGEANA AT THE JULIUS ROEHRS COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.

time they will be objects of beauty. For example, three years ago, we transplanted a handsome specimen of *Cratægus Pringlei* fifteen feet in height, being careful to secure a spread of roots eight feet in diameter, and took great pains to obtain all the roots possible. The top was cut back three feet, and the side branches correspondingly. It quickly started into growth, and last year it flowered and fruited gloriously.

During the past five years the writer, at the request of Prof. Sargent, has given considerable attention to the numerous hawthorns scattered along the banks of the Genesee river, Buffalo, Niagara falls, and some parts of Ontario, Canada, and the characters of over sixty species are now familiar to him; and the specific marks are just as plainly visible as what we know to be the difference between the silver and

examine those numerous batches of young hawthorns with Prof. Sargent or Jackson Dawson and observe the fidelity with which these young plants grow to the type characters, and demonstrating beyond question the scientific accuracy of the work which has been accomplished, and is still in progress.

In another issue of the AMERICAN FLORIST we will describe a few of the most important of the new species for ornamental planting.

JOHN DUNBAR.



E. V. Hallock.



Wm. H. Elliott.

TWO RECENTLY APPOINTED DIRECTORS OF THE SOCIETY OF AMERICAN FLORISTS.

Society of American Florists.

THE NEW DIRECTORS.

In the selection of W. H. Elliott of Brighton, Mass., and E. V. Hallock of Queens, N. Y., as directors of the Society of American Florists, President Vaughan has hit upon two excellent men for the directorate. Both are thoroughly practical and they have advanced ideas which should prove very helpful to their co-workers. W. H. Elliott was born in Lancaster, Wis., in 1858. He went to New London, Conn., in 1866 and at the age of thirteen entered the employ of John Spaulding, continuing with him seven years. Mr. Elliott has never ceased to be thankful that he spent these seven years under an instructor so worthy as this straightforward old Scotchman. He is still living in New London, although he has been blind for the past four or five years. At the age of twenty-one Mr. Elliott went to Boston, Mass., and took charge of a private place for one year, after which, for about four years, he was with Alexander Montgomery of the Waban Rose Conservatories, Natick, Mass., spending a part of that time in the greenhouses but a larger part in handling the product of this place in Boston, New York and Philadelphia. In 1883 he took charge of the J. A. Houston greenhouses at Grove Hall, meeting with such success that he soon left to start in business for himself, which he did in May, 1884, buying the Strong greenhouses at Brighton, Mass. Since that time he has devoted his attention to the growing of asparagus plumosus and roses. In 1901 he bought a 200-acre farm at Madbury, N. H., and built the largest greenhouse in this country for the growing of American

The seed of the majority of the species lies dormant for two years in the seed bed, or boxes, whichever way they are treated when sowed. We have found some species such as *Cratægus matura*, and *C. spissifera*, come quite freely the first season after being sowed, and we have observed some species lie dormant for three seasons. It is customary, and good practice, to separate the pulp from the seeds in sowing, as a very much larger percentage will germinate, than when the fruit is sown intact. However, if we have a large quantity of fruit of some species, and as the labor of separating the pulp is quite considerable, we sow the fruit as gathered, and we always get enough to answer our purpose. But with a small quantity of fruit of important species the most prudent course is to separate the pulp from the seeds, by maceration in water.

During the past six years a surprisingly large number of new species of hawthorn have been discovered and described from the regions around the great lakes, Pennsylvania, Illinois, Arkansas, the Carolinas, and Texas. The greater part of this work has been accomplished by Prof. C. S. Sargent of the Arnold Arboretum, Boston, and a number have been described by C. D. Beadle, Biltmore, N. C., and W. W. Ashe, West Raleigh, N. C. It was for many years customary for botanists to refer these immense segregations of American hawthorns scattered over wide areas of the North American continent to variations of three or four species, and this was probably an easy way of disposing of what has lately turned out to be an inevitable and arduous task. Somewhere from three to four hundred species have now been described.

sugar maples. In some instances the species appear to be somewhat localized, but in most cases they are quite widely distributed, and the individuals are remarkably true to the specific characters, in number of stamens, color of anthers, size, shape and color of fruit, formation and texture of leaves, spines, bark, branching habit, etc.

At the Arnold Arboretum an immense number of seedlings have been raised of the new species, and of many others still under record numbers, but a good many of those now under numbers will probably be referred to described species. It is a fascinating experience to



GROUP OF CRATÆGUS MAINEANA.

Beauty roses. This and the Brighton place he carries on at the present time, doing a very extensive business, as extensive perhaps as that of any concern growing for the Boston market. Mr. Elliott has been president of the Gardeners' and Florists' Club of Boston and he has occupied a number of other positions of honor and responsibility in the trade.

largely of every variety of gladiolus then grown. When the collection was sold it contained some 1,500 varieties. The Hallock collection of lilies was also known as the most complete in existence. The entire stock of what is known as *Gladiolus Childsii*, something over 50,000 bulbs, also the bulbets and seed, was purchased by cable upon the truthful representation of the originator of

year it was put on the market. Mr. Hallock says that the American varieties raised at Queens appear to have had great staying qualities, and he considers U. S. Grant the best variety ever raised. *Lilium Opal*, which Mr. Hallock considers the best variety of *L. speciosum*, was raised at Queens from one bulb, and when sold to Childs there were several thousands of bulbs in the different sizes. Mr. Hallock has a very keen knowledge of ornamental plants in general, but his fund of information regarding bulbous plants is unusually large and varied, and it is frequently drawn upon by experts all over the world.

MARKET GARDENS.

THE Florida early vegetable crop was practically ruined by the severe frost of January 25. The orange crop has also suffered very severely. The total loss is estimated at about \$2,000,000. The temperature came nearly getting as low as in 1894, the time of the big freeze. At Jacksonville the thermometer registered 16° above zero, which was within 2° of the record low temperature of 1894.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 4 were as follows: New York, cucumbers, No. 1, \$1.50 to \$2.50 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 50 cents to 60 cents per dozen; mushrooms, 40 cents per pound; radishes, \$2.50 to \$3.50 per 100; tomatoes, 25 cents to 30 cents per pound; rhubarb, 40 cents to 60 cents per dozen bunches. Buffalo, cucumbers, \$1 to \$2.50 per dozen; tomatoes, 20 to 25 cents per pound. Pittsburg, cucumbers \$1.25 to \$1.75 per dozen. Cincinnati, cucumbers, \$2.50 to \$3 per dozen. Philadelphia, mushrooms, 15 cents to 30 cents per pound. Cleveland, mushrooms 40 cents to 50 cents per pound. St. Louis, cucumbers \$2 per dozen. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 40 cents to 50 cents per pound. Minneapolis, cucumbers, \$2.50 per dozen. Detroit, cucum-



CRATÆGUS LANEYI.

E. V. HALLOCK.

E. V. Hallock was born in Dutchess county, New York, fifty-four years ago. The first nineteen years of his life was spent with his parents and he was educated in Brooklyn and New York. In 1869 he went to California and was connected with the Southern Pacific railroad for three years. Returning east, he was associated with his father, V. H. Hallock, and succeeded to the business of C. L. Allen, who had bought a farm at Queens some years previous. For many of the pleasant recollections and associations of his early life he is indebted to his love of horticulture and agriculture and to his father, who was a cultivator of rare ability and often entertained the most prominent horticulturists. In the fifties they grew the Antwerp raspberry, the Lawton blackberry and the Isabella grape for the New York market. In 1864 the original bulb farm at Queens, N. Y., was acquired. For five years this farm, which is still in the possession of the Hallocks, was used for market gardening. It was sold to C. L. Allen in 1869 and again came into the possession of the Hallocks in 1875. In 1867 or 1868 they grew the Early Rose potato when it was first sold in the New York market for edible purposes, having bought some twenty barrels from B. K. Bliss & Sons at \$40 per barrel. From 1875 to 1892 Mr. Hallock labored very persistently building up the trade and stock of bulbs and plants sold to John Lewis Childs in the latter year. This was the most complete and valuable stock of bulbs ever brought together. When the Hallocks first took hold of the business there was no complete stock of gladiolus in this country, George Such having the best collection at that time. They soon bought Such out and in addition imported quite

this strain, Max Leichtlin, of Baden Baden. Even to-day Mr. Hallock considers *Childsii* the best of all breaks ever made in the gladiolus. Many of the best and most valuable varieties now used and catalogued were raised by the Hallocks, but, strange to say, few of these sorts were considered good enough to put on the market as high priced novelties, although they were superior to most of the French varieties of that date. Augusta and Octo-ron were never considered of great value, but to-day they are classed among the best. Snow White was bought near Boston, grown nine years, and over 50,000 bulbs were sold the first



GROUP OF CRATÆGUS CUPULIFERA.

(On the banks of the Genesee river, Rochester, N. Y.)

bers, \$1.60 per dozen. Denver, cucumbers, \$2.50 to \$3 per dozen.

Fertilizers for Virginia Red Clay.

ED. AMERICAN FLORIST:—

Please state which of the three fertilizers, nitrogen, potash or phosphorus, the red clay land of Virginia needs most and which it needs least.

SUBSCRIBER.

It is impossible to say with any certainty what fertilizer ingredient is most needed in these soils, since experience has shown that the fertilizer which does well with one crop in a given season has frequently failed with another crop or in a different season with a different rainfall or distribution of rainfall and temperature changes. What these soils most need to increase their productivity, is deeper plowing and thorough tillage, the incorporation of organic matter, and a consistent system of crop rotation in which they will not be under clean cultivation for more than half the time. M. W.

THE RETAIL TRADE

A New England Church Decoration.

The illustration herewith shows a church decoration for last Easter by C. W. Sibley, of Athol, Mass. The whole church was decorated in green and white, but of the five arches, only that inside the chancel shows. The procession of choristers pass under this arch as they enter the choir stalls. It is composed of laurel and lilies, the lettering being cardboard covered with white crepe paper. The other arches were made up of laurel, ferns and white carnations. Tall lilies were used for the altar and sides and the carpeting was of white duck with a border of lilies, palms and white flowering plants.

Decorations at Baltimore.

An important event this week at Baltimore, Md., was a dinner given at the Belvedere hotel by Oscar G. Murray, president of the Baltimore and Ohio Railroad, to some twenty of his friends, the occasion being a return compliment to a similar banquet given him by the same gentlemen on his return some months ago from Europe. The decorations were quite elaborate and were thus described in the dailies:

"The decoration of the table itself represented an idyl of early spring. A dozen immense mounds of flowers stood at intervals, each composed of a variety of delicately beautiful vernal blossoms. There were primroses, Japanese lilies, crocuses, jonquils, marguerites and other flowers arranged with consummate skill in shading and artistic contrast. From these mounds radiated patterns in feathery green ferns, interspersed with carnations, apparently scattered at random over the table, but in reality arranged with great care. The whole effect was indescribably beautiful.

"A touch of richness was lent to the adornments by the interspersing among the more delicate-tinted flowers of dishes of rosy-checked apples, polished until they shone as if varnished; green pears, luscious purple grapes tied with broad pink ribbons, and plates of candies of different hues. Ten massive sil-

ver candelabra, holding tapers, shaded with silver and white silk shades, added the finishing touch to the table."

The work was done by S. Feast & Sons, which firm now has a stand for the sale of flowers in the Belvedere.

S. B.

Rubber Bands to Fasten Violet Bunches.

I have never seen anything in the AMERICAN FLORIST from retailers about using rubber bands to fasten violets on the ladies' fur boas. I use them, and they never injure the fur as would a pin. Roses and carnations can be held in place in the same way, and the fur covers up the band.

S.

New York.

THE MARKET.

The market continues to drag along and is entirely without tone. Produce is light, but the demand for it is a great deal lighter, so that even with a more than ordinarily short supply cleaning up is hard. Carnations are very abundant, and large quantities are on their last legs in the ice boxes. The weather has been such that neither carnations nor violets clean out through the channel of the street merchant, and the first fine day will see some great unloading in these lines. Orchids are selling a little better, that is cattleyas are, but white orchids seem to be stayers. There is plenty of everything all round, and on the whole not much change in prices. American Beauty roses have reached the \$75 mark, and a chance sale has been made at \$100. Other roses clean up fairly well at quoted prices. Bulbous stock goes fairly well, but prices have retired somewhat. Good pink varieties can be had for 25 cents per bunch. Daffodils are selling at three bunches for \$1.00. Everybody is anxious for better weather and it is conceded that there can be little improvement in business until the weather changes for the good.

Market, February 8.—The market is weaker in tone to-day, with demand unimproved. Carnations are extremely plentiful and selling slowly at \$1 and upward for good stock.

FLORISTS' CLUB BANQUET.

The annual banquet of the Florists' Club was held on Saturday evening at the St. Denis hotel, February 4, with an attendance of seventy members and guests, almost twice as many as at last year's banquet. The guests assembled early and sat down to the tables promptly at eight o'clock. The floral decorations were quite lavish in quantity, and were skillfully arranged in a very simple manner. C. W. Ward, Queens, N. Y., sent a nice collection of his new seedling carnations, as well as some of his better known sorts, including the new crimson, Robert Craig. Alex. J. Guttman furnished a liberal vase of the new crimson carnation, Victory, and John E. Haines of Bethlehem, Pa., made a nice display with his new crimson carnation. John N. May of Summit, N. J., supplied the new pink rose, Wellesley, in generous quantity, and Lager & Hurrell of the same place tabled a magnificent collection of orchids.

Consumption of the viands began with excellent music from a string

orchestra, and zest to the appetite between courses was maintained by addresses by several of the members, the subjects being light and of the "roasting" order. President Traendly, who was suffering from a bad cold, appointed Walter F. Sheridan toastmaster, who ably filled the duties of the position. Patrick O'Mara said some very nice things about the club and told a few stories which were well received. J. A. Shaw, Wm. J. Stewart, Alex. S. Burns, Chas. Weathered, John G. Esler, J. Birnie and Robt. Berry all did a little in the oratorical line and Alex. Wallace sang a good song.

After a hearty vote of thanks to the dinner committee was passed, the remainder of the entertainment was carried out by professional talent, the choruses to the songs being printed and copies distributed. The company broke up shortly before midnight. At an early stage in the proceedings the toastmaster read a telegram just received from the west announcing that the boom for F. H. Traendly for next president of the Society of American Florists was favorably received in the west.

NOTES.

A casket cover of violets and gardenias was furnished by L. Hart, the Madison avenue florist, for the casket of Frank Croker, son of the one time New York political chief, whose death resulted from an automobile accident at Ormond Beach, Fla., and whose funeral was held on Friday, February 3.

John Seligman and Adam A. Trepel, formerly with Alex. J. Guttman, started in the wholesale cut flower business at 56 W. Twenty-sixth street on Monday last. Both young men have had many years of experience in the trade and should do well. The firm name is Seligman & Trepel.

Otto Grundmann, Secaucus, N. J., has incorporated his business, with a capital of \$20,000 and a general nursery business classification. The incorporators are Herman Grunderman and Wilhelm Reusch, New York City, and Otto Grundmann, Secaucus, N. J.

The Long Island growers who bring in produce to the early markets are greatly incensed over the new passenger rates put in force on the Long Island railroad. Commutation rates were raised from thirty to fifty per cent.

Carnation night at the Florists' Club, February 13, will be particularly interesting. Some fine exhibits will be staged, and as the same night is ladies' night the attendance should be phenomenal.

J. A. Foley, N. Lecakes & Company's bookkeeper and manager of their cut flower department, was married January 22, to Miss Butternaei of Newark, N. J.

Alex. J. Guttman shipped some Victory carnations this week to the St. Louis, Pittsburg and Philadelphia Florists' Clubs.

Chicago.

THE MARKET.

The market shows little change from the conditions of last week. American Beauty roses are next to impossible to secure, and the grower who is in with any kind of a cut is fortunate. Prices have taken another slight advance and now range from \$7 down to \$1.50 for short stems. The quality is not up to the midwinter standard, notwithstanding, however, there is a good demand.

Teas are keeping up in fair supply, and the quality of all stock is of a good order. Carnations have dropped a notch in price and the quotations now read from \$1.50 for the poorest to \$4 and \$5 for the fancies. White continue in strong demand, and, in fact, everything is well taken care of by the buyers, and little stock remains in the ice boxes after the day's business is over. Bulbous stock is holding a consistent demand, it being a good substitute for the scarce roses. Paper White narcissus and Dutch hyacinths have been good sellers, and the quality of this stock amply deserves its popularity. Daffodils and colored tulips are seen in variety. Green goods have been holding up to good prices, and the demand has not lagged for some time. Ferns, the best, still stay around the \$3 mark. Local retail trade has been somewhat quiet owing to the severe winter weather, which varies from Arctic cold to milder temperatures, accompanied by heavy blizzards and snow.

NOTES OF THE TRADE.

Fire in the greenhouse of Philip P. and Charles Smith, at Northwestern and Merse avenues, this week caused a loss of several thousand dollars. The boiler room, in which the fire started, was wrecked, and Albert and Jen Jensen, growers, who slept in adjoining buildings, narrowly escaped with their lives. The loss is partly covered by insurance.

A fire on the morning of February 2 caused a loss of several hundred dollars in the retail establishment of John Mangel, corner of Wabash avenue and Monroe street. The blaze started in the bulb and plant room and was caused by the crossing of electric light wires.

Bowling matters in Florists' Club circles have been quiet. It is expected, however, that during the present month the enthusiasts will get together and stir things up. The St. Louis convention stunt must be duplicated at Washington.

J. A. Budlong is fortunate to have good American Beauty roses at present in fair supply. His Bridesmaid are worthy of special note, having heavy stems and good color.

C. W. Ward, who attended the meeting of the American Breeders' Association at Champaign, left for Michigan points February 14.

Wietor Brothers say that the weather has been against cutting shipping, but notwithstanding, the season has opened auspiciously.

Charles McKellar reports an increased call for cut orchids. Cattleyas from the east are of exceptionally good quality.

The condition of Mrs. Leonard Kill, who has been seriously ill for several weeks, is reported slightly improved.

Sinner Brothers have a large house devoted to narcissus and hyacinths this year and are having great success.

Bentley-Coatsworth Company has considerably enlarged and improved the office, at 51 Wabash avenue.

White lilac in large supply is again being received by A. L. Randall Company.

George Wienhoeber sailed from New York for Naples February 7.

Baltimore.

MARKET IMPROVES.

The cut flower trade gave evidences last week of improvement, and there was some change for the better in the quality of the shipments. Roses



A NEW ENGLAND CHURCH DECORATION.

(By C. W. Sibley, Athol, Mass.)

are of better color, texture and stem, but American Beauty roses are still in very short supply in the better grades. Carnations are becoming more abundant. We have had another spell of the meanest kind of wintry experience, snows and sleets and zero temperatures. With more than twenty snow storms, the roads impassable, the harbor almost closed, railroad traffic disorganized, and the only thing really soaring being coal bills, the winter has been very severe. The production of flowers has been largely decreased, the cold at night being intense while a large proportion of the days have been cloudy. Several days this week shipments of cut flowers reached their destination badly frozen.

Baltimore celebrated this week its first anniversary of the great fire. The reconstruction and rehabilitation of the burnt district goes on, if not rapidly, steadily and on lines which show that in every direction there will be vast improvements over the destroyed section. The widening of streets, opening up of new thoroughfares, the character of the erected buildings, show that the restored city will be far more beautiful, dignified and convenient than the old. Many of the warehouses are already occupied and the tide of busi-

ness is going back to its old channels. The improvement of the docks has not yet been begun, but when this great work is completed, with the additional provision made for accommodating her commerce, Baltimore will be indeed a new and far more modern city.

The new conservatory at Patterson park has reached completion; so far as construction and glazing are concerned, and now only the installation of the heating apparatus remains to be done. The structure, which was put up under contract by the Lord & Burnham Company, is commodious and modern in every respect, imposing in architectural design, and apparently well designed for the growth and display of plants.

S. B.

NILES, MICH.—The greenhouses of the Michigan Central Railroad Company have been rebuilt on a scale that doubles their capacity.

MORRISTOWN, N. J.—The fine country house of Otto Kahn, Cedar Court, on Normandy Heights, one-half mile from this city, was burned to the ground February 3. The grounds and horticultural features generally at this place were very elaborate, James Fraser being gardener.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1 00 per inch, net.

The advertising Department of the AMERICAN
FLORIST is for florists, seedmen and nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send
the old address at the same time.

WE have received photographs showing
a house and vase of unnamed car-
nations with nothing to indicate the
name or address of the sender. The
sender will oblige by forwarding par-
ticulars.

THE American Peony Society will
have a conference and grand exhibition
at Chicago about June 15. J. B.
Deamud, 51 Wabash avenue, Chicago,
has been selected as manager of the
exhibition, the exact date of which will
be announced later.

THE preliminary prospectus of the
Country Calendar, first issue to appear
in May, published by the Review of
Reviews Book Co., New York, and
printed by J. Horace McFarland, is at
hand. It is fully up to that gentleman's
well known work as typified in Country
Life in America, while the specimen
articles seem practical and adapted to
the needs of proprietors of suburban
homes and country estates and to lovers
of nature generally.

That Misfit Glass Tariff.

ED. AMERICAN FLORIST:—

While a strong believer in the princi-
ple of a protective tariff and thoroughly
convinced that to this principle is
largely due the wonderful development
of manufacturing interests in this coun-
try, I do not believe in a tariff after an
industry is developed and able to com-
pete in the world's market without it.

The present tariff on glass is no longer
protective but is a clean steal, no longer
called for or warranted. It is admitted
by many well posted glass men that
the danger of breakage and expense of
shipment from Europe creates all the
favorable difference necessary for the
American manufacturers.

W. N. RUDD.

Ferns and Geraniums.

ED. AM. FLORIST:—Will Boston and
Pierson ferns grow in a strong light
without sun and what temperature
should be maintained to grow success-
fully? To root geraniums, how hot
should the sand be in the cutting bench,
which is 35 feet long? How much 1½-
inch pipe will be required under the
bench, which is 3 feet high and as
many wide and boarded around close to
the ground? C. E. B.

I do not quite understand what is
meant in the first question. Boston

and Pierson ferns will grow in a strong
light without sun, but they would grow
very much better and would make bet-
ter plants if they are grown in the full
sun during the whole year, with the
exception of the very brightest days
in the summer time. The night temper-
ature that would suit them best in the
winter season would be from 60° to
65° with a rise of 10° in the daytime.

Geraniums are not at all particular
about the heat of the sand in the cut-
ting bench. They will root in a temper-
ature of 60° or less. To have sturdy
plants of geraniums the temperature
should not be higher than 60°, with an
atmospheric temperature of 54° to 56°.
If the temperatures are higher than
those given they should not remain
longer therein than can possibly be
helped. It is the sturdy short plants
that attract the eyes of the customer
and which sell the most readily. Two
1½-inch pipes would give a higher tem-
perature than is absolutely necessary.
There is no real necessity for enclos-
ing the propagating bed by boards.

E. L.

Caution to Cut Flower Shippers.

ED. AMERICAN FLORIST:—

Numerous eastern shipments of vio-
lets and other stock have arrived in
Chicago during the past few days in a
badly frozen condition. This was
largely owing to the fact that packages
were insufficiently wrapped, and if we
may suggest it, it might be a good
thing for you to publish this fact, with
a caution to shippers to take more pains
with regard to wrapping packages bet-
ter for western shipment during the
remainder of the winter season.

E. F. WINTERSON CO.

California Carnation Cuttings.

ED. AMERICAN FLORIST:—

In answer to the comments of C. W.
Crouch in your issue of February 4, I
would like to state that we purchased
from a California firm rooted cuttings
of Carnations Estelle, Crane and
Enchantress. The last named rooted
100 per cent, Estelle and Crane, ninety
per cent. The cuttings reached us in
fine shape and have made good, healthy
plants. I think if Mr. Crouch would
keep them watered more than his own
stock they will root all right. We
sprayed ours three or four times per day
in bright weather. They were fully
exposed to the sun with no shading
whatever. We expect to order more
stock from California for next season.

Bryan, O. C. E. WONSETLER.

[We shall be pleased to have some
details of the experiences of others
with California carnation cuttings.—
Ed.]

American Carnation Society.

DEPARTMENT OF PLANT REGISTRATION.

Lizzie McKey, registered by M.
Winandy, Chicago, Ill.; color, scarlet;
size three inches in diameter, length
of stem, eighteen to twenty inches;
strong and erect.

Coral, registered by the Indianapolis
Flower & Plant Company, Indianapolis,
Ind.; color, peach blossom, very bright
and showy; size, three and one-half
inches; slightly fringed, very full, good
strong calyx; vigorous growth and con-
tinuous bloomer.

Allspice, color white, heavily striped

with red, and petals edged with red;
size, three and one-half inches; very
full, heavily built, and unusually fra-
grant; very prolific, strong, quick, con-
tinuous grower.

Candace, color, pink, shade brighter
than Lawson; size, three and one-quarter
inches; very round, well formed
flower; an early and extremely heavy
producer throughout the season and
quick grower.

ALBERT M. HERR, Sec'y.

French Horticultural Society of London.

M. Philippe de Vilmorin presided at
the sixteenth anniversary banquet of
the above society held January 14 at
the Cafe Royal, London, England. The
society has done much to increase good
feeling between English and French
gardeners, and finds situations for the
young gardeners of both nations who
wish to go into each other's country
and learn the language. A large and
brilliant gathering was the result. The
National Chrysanthemum Society of
England was present in full force, there
being many of its officers and committee
men present. In these days of the
entente cordiale it would be well for
other but more exclusive English horti-
cultural societies to follow suit. Any-
thing and everything that tends to
bring the people of England and France
into closer and more friendly inter-
course cannot fail to be productive of
beneficial results. P.

National Horticultural Council.

At the conference of horticulturists
held at St. Louis in connection with
the World's Fair flower show last
November it was suggested that a
National Horticultural Council would
be of immense utility and Professor
Trelease, of the Missouri Botanic Gar-
den, was charged with the duty of
appointing a committee for preliminary
organization. This committee is now
announced as follows: Professor L. H.
Bailey, of Cornell University, Ithaca,
N. Y.; J. H. Hale, president of the
American Pomological Society, South
Glastenbury, Conn.; H. C. Irish, of the
Missouri Botanic Garden, St. Louis,
Mo.; J. Horace McFarland, president
of the American Civic Association, Har-
risburg, Pa.; J. C. Vaughan, president
of the Society of American Florists,
Chicago; Professor Samuel B. Green,
Agricultural Experiment Station, St.
Paul, Minn.; Professor L. R. Taft, Agri-
cultural College, Mich.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of
Baltimore, Royal Arcanum building, 18
W. Saratoga street, Monday, February
13, at 8 p. m.

Boston, Mass.—Massachusetts Horti-
cultural Society, Horticultural Hall, 300
Massachusetts avenue, Saturday, Febru-
ary 18, at 11 a. m. Lecture on "Bac-
teria as Fertilizers," by Dr. George T.
Moore, illustrated by stereopticon.

Buffalo, N. Y.—Buffalo Florists' Club,
383 Ellicott street, Tuesday, February
14, at 8 p. m.

Cleveland, O.—Florists' Club, Mon-
day, February 13, carnation exhibition
and smoker.

Detroit, Mich.—Detroit Florists'
Club, Cowie building, Farran and Gra-
tiot avenues, Wednesday, February 15,
at 8 p. m.

Manchester, Mass.—North Shore Horticultural Society, Friday, February 17.

New York.—New York Florists' Club, Grand Opera House building, Eighth avenue and Twenty-third street, Monday, February 13, at 7:30 p. m.

Oceanic, N. J.—Monmouth County Horticultural Society, Friday, February 17.

Toronto, Ont.—Canadian Horticultural Society, St. Joseph's hall, Saturday, February 16, annual carnation exhibition.

Utica, N. Y.—Utica Florists' Club, Maennerehor hall, Thursday, February 16, at 8 p. m., annual carnation meeting.

Worcester, Mass.—Worcester County Horticultural Society, Horticultural Hall, Thursday, February 16, at 2:30 p. m.

Trade Notes.

L. G. Colyn, formerly with Van Zanten Brothers has entered into partnership with Jac. Van der Gugten under the style of Van der Gugten & Colyn at Katwyk a Ryn, Holland.

A vase of excellent roses is illustrated in the Colonist of Victoria, B. C., of January 8, the flowers having been picked in Col. Gregory's garden, January 1.

The New York World of January 15 has a conspicuous illustrated notice of F. R. Pierson and his new Variegated Lawson carnation.

The first number of the new Garden Magazine is out, and like many of its predecessors in the same line, starts off well.

Odd Items.

Elizabeth Duse, the daughter and only child of Mme. Eleanor Duse, the Italian tragedian, has entered an English college devoted to the study of farming and horticulture.

Miss Van Wart, of London, Eng., has American Beauty roses sent over by every steamer, packed in ice, and her pretty house in Mayfair is always full of them.

The German empress has a passion for flowers, but has only recently turned her attention to orchid growing.

A Scotch seedsman has instituted a cooking test for potatoes, taking his samples from various districts.

Boston.

MARKET CONDITIONS.

Florists, both retail and wholesale, are glad that the month of January is past. It has been without exception the hardest month during the past three or four years. The principal cause for this is the period of excessively cold and stormy weather, which has kept the general public indoors. The prices of roses, carnations and bulbous stock have remained about the same as those of the previous week. Violets have dropped in price as a result of the cold weather and oversupply, to 25 cents per 100.

NOTES.

The Boston Co-operative Flower Growers' Association has recently leased a number of new stalls to out-of-town florists.

The event of the week is the exhibition held on Saturday at Horticultural Hall. The rivalry between the two markets has brought out a large list of

entries, as both markets are offering a series of eight prizes each.

H. P. S.

Advertising Gets Results.

AM. FLORIST CO.:—It gives us pleasure to say that each year we have traced business resulting from our advertisement in the AMERICAN FLORIST, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year.

ALBANY STEAM TRAP COMPANY.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head:

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT adv. (situations only) free to be used at any time during the year.

Situation Wanted—By a young man, with practical experience in cut flowers and pot plants. Best of references. Address Box 154, care American Florist.

Situation Wanted—By a florist, German, single, middle aged, good experience in all departments; pot plants a specialty. References. Address Box 136, care American Florist.

Situation Wanted—Grower's assistant, young man with some experience in cut flowers and general stock. Address M. M. STRONG, Sioux Falls, South Dakota.

Situation Wanted—By a first-class licensed foreman; the best of references for ability and sobriety, aged 30 years. Address GEO. E. BUXTON, Nashua, N. H.

Situation Wanted—By German, 33, in retail florist store; life experience; decorator, designer, etc. Able to take charge. Best reference. Last position, 3 years. Address E. B. BOX 245, Spencer, Mass.

Situation Wanted—By florist with ten years' experience in Beauties, teas, carnations, 'mums, violets, palms, ferns and general stock. German, single, good references. Address Box 153, care American Florist.

Situation Wanted—As head gardener, well up in all its branches, A1 orchid grower, married, no family, naturalized, English, aged 32. Address with particulars Box 147, care American Florist.

Situation Wanted—By a German florist, in a large commercial place as manager or foreman; 20 years' experience in growing out flowers, carnations and roses my specialty. Address Box 148, care American Florist.

Situation Wanted—As foreman on good sized commercial place where growing roses for cut flowers is made a specialty. Refer to Alex. Montgomery, Waban Rose Conservatories, Natick, Mass. Address Box 150, care American Florist.

Situation Wanted—By young man, German, 25 years of age, thoroughly experienced with indoor and outdoor culture; will be ready to take private place by March 1; can show good reference from present place. Address L. ROLL, Lake Forest, Ill.

Situation Wanted—By first-class florist, German, single, 36 years of age, grower of roses, carnations, 'mums, violets, bulbs and all kinds of bedding plants, also a good propagator; able to take charge. Address Box 146, care American Florist.

Situation Wanted—As gardener on gentleman's estate, thoroughly experienced in roses, carnations, 'mums, violets, peaches, grapes and strawberries under glass, fruit and vegetable garden, lawns; age 35, married, best references. Address J. C. care Vaughan's Seed Store, New York City.

Situation Wanted—In the vicinity of New York or Pittsburg, as grower and manager in first-class commercial establishment where good wages are paid; thoroughly experienced in propagating and growing of roses, carnations, 'mums and the general line of cut flowers and pot plants; best of references, sober and reliable, married, aged 32. Place where a working interest is given preferred. Florist, 176 Lexington Ave., New York City.

Help Wanted—An A No. 1 rose grower. Address with full particulars. G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Help Wanted—A good sober industrious working foreman that can grow good roses, carnations, 'mums and general stock; \$60 per month. Send references. Address THOMAS SALVESON, Petersburg, Ill.

Help Wanted—Man thoroughly familiar with growing decorative plants comm. retail, who is willing to go to Porto Rico; one who has some capital preferred. Address WM. C. SMITH, San Juan, Porto Rico.

Help Wanted—Single man for private place, no greenhouse, \$40 to \$45 per month, a good place and permanent for the right man. For information address CHAS. UFFLER, Govanstown, Baltimore, Md.

Help Wanted—Working foreman, single, to manage college grounds with one greenhouse and five men help; \$50 per month, permanent position for the right man. Address CHAS. UFFLER, Govanstown, Baltimore, Md.

Help Wanted—Young man, first-class designer and decorator, one who is experienced in store work, must be up-to-date, sober, industrious and gilt edge references as to honesty, state age, experience and salary expected, permanent place. Address P. O. Box 1684, Paterson, N. J.

Wanted—To purchase a flower store. State all particulars in first letter. Address Box 149, care American Florist.

Wanted—Trade firms will oblige by sending copies of their latest wholesale price lists. N. H. PADGETT, 18 Watson St., Unadilla, N. Y.

Wanted—Smart agent calling regularly upon the trade to take up the sale of tily of the valley pips for a reliable German grower. Address Box 145, care American Florist.

Wanted—By March 1, assistant gardener on private place, English or Scotch preferred, wages \$50 per month with room. Address stating age and experience with references. GEORGE GORDON, Beverly, Mass.

For Sale—Ballard's Greenhouse, \$750.

Perry, Iowa.

For Sale—Cheap, too delivery wagon, good for city or country. 50 West 29th St., New York.

For Rent—\$50 per month, five greenhouses, 9,000 square feet of glass, nine and one-half acres of good ground, house and barn, long lease, \$1,000 cash for stock, etc., near Chicago. Address Box 152, care American Florist.

For Sale—Five-acre tract of land, two houses, barn and greenhouse in flourishing town of 4,000 in southwestern part of Ohio. Good chances to do nice business, no competition. Address THE WAYNE SPECIALTY WORKS, Milton, Ind.

For Rent—At Frederick, Md., greenhouses 18x63, 11x107, 20x162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. HENRY THAIL, Frederick, Md.

Foreman Wanted.

We have 10,000 square feet of glass and 10 acres of ground. Grow carnations and bedding stock. Want a man capable of managing such a place profitably to take entire charge. References required. Four-room cottage on the place. Prefer married man with whom help can board. Write in full at once stating what wages you want. Permanent position for right man. THE STILES CO., Oklahoma City, Okla.

UNUSUAL OPPORTUNITY.

For Sale—Greenhouse property, stock and retail business, consisting of eight greenhouses and store, about 22,000 feet of glass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philadelphia, right in center of a growing population. Doing a first-class retail business. A splendid opportunity; only \$3,500 cash required, remainder can remain on mortgage at 5 per cent. To close an estate. Box 144, care American Florist.

For Sale.

5,000 feet of glass with store and stock in city of 10,000, with no competition within 50 miles. A good paying trade. Everything new. Please do not write without you have the cash and mean business. Address

Box 151, care American Florist.

Pittsburg.

Business for the week has pulled up wonderfully and shows a decided tendency to continue in its present state. Stock of all kinds is plentiful, with the exception of American Beauty roses, which are not in their usual good condition. Carnations and spring stock are especially fine and are moving out in good order. During the early part of the week it was impossible to get shipments from the east under twenty-four to thirty-six hours.

Nicholas J. Ribsam, of McKeesport, has wound up his retail business and is considering the plan of establishing his Trenton, N. J., plant in this vicinity.

Lowe & Jones had several large designs for the funeral of the late "Pittsburg Phil," four of them varying from five to eight feet in height.

A new wholesale house is scheduled to open here about the latter part of March.

Sam McClements spent several days at home with rheumatism last week.

Thos. Ulam & Company will probably move to some other location.

Theodore Beckert is cutting fine sweet peas. E. L. M.

Minneapolis.

Trade for the month of January was quiet, there being no special demand and owing to the extreme cold weather business suffered. McKinley day made a little extra call in the carnation line, but not beyond what could be filled. There is at present no surplus in stock, so prices remain rather firm. Tea roses have been in good supply. American Beauty are limited and the quality is poor. This will be overcome soon as the growers report good crops coming.

Miss H. B. Whittet suffered a loss by fire to the extent of \$600, fully covered by insurance; she has resumed business as the damage was confined mostly to the basement.

The New York Florist Store, under the management of J. Ravatzos, reports trade fairly good the past two months.

Wm. Donaldson & Company, have had a good month's trade, although the weather has been against them.

Gus Bergstrom, formerly with R. J. Mendenhall, has accepted a position with Rice Brothers.

Dan Desmond has charge of C. K. Fulton's private greenhouses, at Lake Minnetonka. C. F. R.

Kansas City, Mo.

Reports from the weather bureau show that Kansas City has just passed through the coldest January in its history, and February bids fair to beat all records, as the thermometers have been registering from eight to ten below zero. The severe cold has taxed the smaller growers to keep up the temperature. Ackerman Brothers, vegetable growers, report the entire loss of one house of lettuce through freezing. Cut flower stock not very plentiful, but about equal to demand. Many small social affairs and considerable amount of funeral work has kept the market cleaned up. McKinley day did not create the demand that some of the florists anticipated, caused, no doubt, by the anniversary falling on Sunday and the day being very cold.

Much favorable comment was passed on the new rose, Richmond which was

shown here last week by Mr. Hill, Jr.

Trade visitors have been numerous. Among them were: F. W. Creighton, of Dreer's, Philadelphia; Wm. Hagemann, New York; W. A. Prosser, of Owens, N. Y.; Chas. Schwake, of New York; W. A. Ringier, of Chicago.

W.

Newport, R. I.

We have had a week of severe cold, the mercury touching the zero mark, which is about as cold as it ever gets here. Much business has been impossible. Nevertheless early orders indicate a good season coming for the seedsman. Florists begin to feel that the coming summer will be better than for several years, as many of the most prominent social leaders have been in Europe or elsewhere the past two seasons, which has greatly curtailed the use of floral decorative work for dinners and other social functions. Prices, both wholesale and retail, remain about the same. We quoted some very choice carnations on the avenue that were bringing \$1.50 a dozen.

The first meeting for the month of the Newport Horticultural Society took place last Wednesday evening. President James J. Sullivan was in the chair. Professor Barlow, of the Rhode Island College of Agriculture, for two hours held the closest attention of all with his illustrated address on "Economic Insects." Following the lecture a lengthy discussion of the elm-beetle and *Sau José* scale developed. Interest now centers in the schedule of prizes which the executive committee will present for the approval of the members at the next meeting.

The twenty-fifth anniversary of the wedding of Mr. and Mrs. Robert Hunnuck was observed last Monday evening in the hall of the Builders' and Merchants' Exchange. The decorations were by Ziegler, and consisted of palms, evergreens, and Christmas bells. Mr. and Mrs. Hunnuck received many handsome presents, including one from Mr. and Mrs. Fred W. Vanderbilt, to whom Mr. Hunnuck has been head gardener for many years. Among the many guests from out of town was Thomas Grey, of Thomas J. Grey Company, of Boston.

William B. Scott & Company report a very good week; many orders for seeds having already been received, and a good demand for onion sets having developed.

F. L. Ziegler has his windows attractively arranged with cinerarias in bloom.

Henry C. Anthony, of Portsmouth, R. I., was a visitor this week. X.

Syracuse, N. Y.

Severely cold weather and a heavy snow storm for the past few days has tended to injure business. The dullness of the regular trade, however, has been counterbalanced by a rush of funeral work. Prices remain the same.

Two novel floral blankets were made by Wheadon & Henel last week for the Howlett and Danziger funerals. The first was a blanket of smilax fringed with Paper White narcissus, the smilax being studded with violets. In the second the violets were omitted. As many as twenty wreaths were made by this firm, many of them being galax with violets or carnations on the side.

The demand for galax wreaths is increasing.

The death of Charles H. Bechstedt, of Oswego, Tuesday, February 2, removes one of the best known florists of the state. He had been in poor health for four years. He was born in Germany fifty-nine years ago and came to Oswego with his parents when but five years of age. About fifteen years ago he engaged in the florist business and had been very successful. He was a soldier in the civil war. He was prominent in politics, having been alderman of the sixth ward.

P. R. Quinlan & Company have a fine display of roses at their retail store. Some excellent Golden Gate and Ivory roses have been received from the Valley range with 2½-foot stems.

Bard & Davis are cutting a large quantity of roses and carnations. The Host and Bride are especially worthy of mention.

Thomas Quigley is having good success with his carnations. A. J. B.

Orange, N. J.

The tenth annual installation dinner of the New Jersey Floricultural Society was held February 3. The evening opened with the presentation of twelve silver cups by William Runkle, on his own and other donors' behalf, won in the competitive shows of last season. A novelty in this direction was an array of full size photographs of the floral prize winners which covered the walls of the banquet hall. It was also the initial night in this year's competition for more silver cups and the floral display was large. Peter Duff had the center of the long table with a vase of hybrid amaryllis and another of *Euphorbia jacquiniæflora*. There were carnations from Wm. Bennett, Wm. Reid, D. Kindsgrab, and Guttman & Weber's Victory, sweet peas from Charles Ashmead and the Hale Floral Company; potted cyclamens from George von Qualen; orchids from Edwin Thomas and Arthur Bodwell, and cut orchid blooms from Lager & Hurrell. The offering of a special orchid prize will doubtless make them a feature of each month's exhibition.

Addresses were made by W. J. Stewart, J. A. Shaw and S. S. Butterfield, Mrs. Berry of Kelsey Company, Neil Campbell, of Vaughan's Seed Store, C. H. Totty, Harry O. May, Wm. Duckham and others. J. B. D.

Columbus, O.

The sixtieth anniversary of the Columbus Horticultural Society will be celebrated at the regular annual meeting next December, and meetings will be held in June and October to make arrangements for the important event.

Honorary members were elected January 28 as follows: William Miller, Ottawa county; W. W. Farnsworth, Lucas county; F. C. Vergon, Delaware county.

FORT THOMAS, KY.—Richard Schmidt has filed suit for a dissolution of the partnership of Miller & Schmidt.

CHARLESTON, W. VA.—The Charleston Cut Flower & Plant Company, H. F. Winter, manager, will add 10,000 feet of glass this season. The Foley Manufacturing Company, Chicago, has the contract for the material.

Your Money's Worth.

You want your money's worth always and all ways, of course. Are you getting it? Think it over. Our motto is, "We serve ourselves best by serving our customers better."

You can be sure of getting what you want, when you want it at right prices here; or you can be sure it can't be had.

That's a good, strong statement to make; we make it stronger by making good on it every way, every day. "Your money's worth always; more probably; never possibly less."

Judge For Yourself.

Write for our regular issued price list; judge for yourself. And remember we grow our own flowers in our own greenhouses and sell them only to the shipping trade.

Weiland & Risch,

Leading Western Growers and Shippers of Cut Flowers.

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Having grown several acres of this wonderful Potato last season, when it sold at \$1000.00 a ton, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs. net, F. O. B. Southampton, \$3.00 per case.

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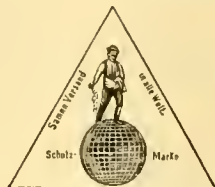
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	Per doz.
36-inch stem.....	\$6.00
30-inch stem.....	5.00
24-inch stem.....	3.00
20-inch stem.....	2.50
18-inch stem.....	2.00
12-inch stem.....	1.50

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	Per 100
Bride and Maid.....	\$ 6.00 to \$10.00
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Wholesale Flower Markets

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“ “ short “	1.00
“ Liberty.....	5.00@12.00
“ Chatsenay.....	4.00@12.00
“ Bride, Bridesmaid.....	3.00@10.00
“ Meteor, Golden Gate.....	3.00@10.00
“ Perle.....	3.00@ 8.00
Carnations.....	2.00@ 4.00
Smilax.....	12.50@15.00
Asparagus sprays.....	2.00@ 3.00
Valley.....	3.00
Adiantum.....	1.00@ 1.50
Violets.....	.50@ 1.00
Callas.....	12.50@15.00
Romans, Paper Whites.....	2.00@ 3.00
Tulips.....	3.00@ 4.00
Harrisii.....	10.00@15.00

PITTSBURG, Feb. 9.

Roses, Beauty, specials.....	5.00@60.00
“ “ extras.....	30.00@40.00
“ “ No. 1.....	15.00@20.00
“ “ ordinary.....	8.00@10.00
“ Bride, Bridesmaid.....	3.00@15.00
“ Meteor.....	6.00@10.00
“ Liberties.....	8.00@20.00
“ Perle, Chatsenay.....	3.00@ 8.00
Carnations.....	1.00@ 5.00
Lily of the valley.....	3.00@ 4.00
Smilax.....	12.50@15.00
Asparagus, strings.....	25.00@50.00
Asparagus Sprengeri.....	2.00@ 3.00
Lilies.....	12.00@18.00
Adiantum.....	1.00@ 1.50
Violets.....	.30

CINCINNATI, Feb. 9.

Roses, Beauty, per doz.....	1.00@ 4.00
“ Bride, Bridesmaid.....	4.00@10.00
“ Liberty.....	8.00@15.00
“ Meteor, Golden Gate.....	8.00@12.00
Carnations.....	2.00@ 6.00
Lily of the valley.....	3.00@ 4.00
Asparagus.....	10.00@12.50
Smilax.....	12.50@15.00
Adiantum.....	1.00@ 1.50
Callas.....	10.00@12.50
Asparagus Plumosus and Sprengeri in bunches.....	.25c per bunch
Harrisii.....	15.00
Romans, narcissus.....	3.00
Violets.....	.75@ 1.00

St. Louis, Feb. 9.

oses, Beauty, long stem.....	4.00@ 6.00
“ “ medium stem.....	2.00@ 3.00
“ “ short stem.....	.50@ 1.50
“ Bride, Bridesmaid.....	5.00@10.00
“ Golden Gate.....	5.00@10.00
“ Liberty.....	5.00@10.00
“ Kaiserin.....	5.00@10.00
“ Meteor.....	5.00@10.00
Carnations.....	1.50@ 4.00
Smilax.....	15.00
Asparagus Sprengeri.....	1.50@ 3.00
“ Plumosus.....	25.00@ 30.00
Ferns, fancy.....	per 1000, 2.00
Adiantum.....	1.00@ 1.25
Violets, California.....	.50@ .75
“ Double.....	.75@ 1.00
Lily of the valley.....	3.00@ 4.00
Romans.....	2.00@ 3.00
Callas.....	12.50@15.00
Paper White narcissus.....	3.00

CLEVELAND, Feb. 9.

Roses, Beauty, per doz.....	1.00@ 6.00
“ Bride, Bridesmaid.....	4.00@10.00
“ Meteor.....	4.00@10.00
Carnations.....	2.00@ 6.00
Smilax.....	10.00@15.00
Asparagus, strings.....	25.00@50.00
“ Sprengeri.....	1.00@ 2.00
Galax.....	1.00@ 1.50
Common ferns.....	2.00
Violets, single.....	.50@ 1.00
“ double.....	.75@ 1.00
Paper Whites.....	3.00@ 4.00
Valley.....	3.00@ 4.00

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Extra Select.....	\$ 6.00
30-inch stems.....	5.00
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20-inch stems.....	2.50
15-inch stems.....	2.00
12-inch stems.....	1.50
Short stems.....	.75@1.25

Per 100

LIBERTY.....	8.00 to 15.00
CHATENAY.....	8.00 to 12.00
MAIDS AND BRIDES.....	6.00 to 10.00
PERLE.....	6.00 to 8.00
UNCLE JOHN.....	6.00 to 12.00
SUNRISE.....	6.00 to 10.00
CARNATIONS.....	2.00 to 4.00

All flowers are perfectly fresh and properly packed. No charge for P. & O. on orders over \$5.00.

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Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

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Wild Smilax

leads them all in quality and quantity. All cases filled to scripture measure.

Prices as low as you pay for interior stock.

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PRICE LIST.

Roses, Beauty, 30 to 36-in. stems	\$5.00@ \$6.00
" " 20 to 24 "	3.00@ 4.00
" " 15 to 18 "	2.00@ 3.00
" " 12 "	1.50
" Liberty.....	8.00@15.00
" Chateau.....	8.00@12.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor, Golden Gate.....	6.00@10.00
Carnations.....	2.00@ 3.00
" fancy.....	4.00@ 5.00
Valley.....	2.00@ 4.00
Violets.....	1.00@ 1.50
Asparagus Plumosus, per string 40 to 50c	
" sprays 2.00@3.00	
" Sprenger.....	3.00@ 4.00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000, 1.00	.15
" " Green, per 1000, 1.00	
Adiantum.....	1.00
Fancy ferns..... per 1000, 3.00	
Smilax.....	12.00@15.00
Callas..... per doz. 1.25@1.50	
Paper Whites, Romans.....	3.00@ 4.00

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Plenty of BEAUTIES,
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Choice American Beauty Roses.

Prices reasonable.

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Wholesale Growers of

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CHICAGO, Feb. 9

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" " 20 to 24 "	3.00@ 4.00
" " 15 to 18 "	2.00@ 3.00
" " 12 "	1.50
" Liberty.....	8.00@15.00
" Chateau.....	8.00@12.00
" Bride, Bridesmaid.....	6.00@10.00
" Meteor, Golden Gate.....	6.00@10.00
Carnations.....	1.50@ 2.50
" fancy.....	3.00@ 4.00
Valley.....	2.00@ 4.00
Violets.....	1.00@ 1.50
Asparagus Plumosus, per string 40 to 50c	
" sprays 2.00@6.00	
" Sprenger.....	3.00@ 6.00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000 1.25	.15
" " Green, " 1.00	
Adiantum.....	1.00
Fancy ferns..... per 1000 2.50@ 3.00	
Smilax.....	12.00@15.00
Callas..... 1.25@1.50 per doz.	
Paper Whites.....	3.00@ 3.50
Romans.....	3.00@ 3.50

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Roses and
Carnations
A Specialty.....

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FLORISTS' SUPPLIES all kinds.

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Asparagus Plumosus Nanus Seeds

These are the true variety. 75c per 100; \$6.00 per 1000.

Now is the time to buy KAISERIN and CARNOT, for early summer flowering, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000

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Boaton, Feb. 9.

Roses, Beauty, best	35.00@60.00
" " medium	30.00@45.00
" " culls	6.00@ 8.00
" " Bride, Bridesmaid	4.00@ 6.00
" " Extra	8.0 @12.00
" " Liberty	1.00@ 8.00
Carnations.	1.50@ 2.00
" " Fancy	2.00@ 3.00
Lily of the valley	3.00@ 4.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, Feb. 9.

Roses, Tea	8.00@10.00
" " extra	12.00@15.00
" " Liberty	8.00@35.00
" " Queen of Edgely, extra	40.00@60.00
" " frsts.	15.00@25.00
" " Beauty, extra	40.00@60.00
" " frsts.	15.00@25.00
Carnations.	1.50@ 6.00
Lily of the valley	3.00@ 6.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.50@ .75
" " double	.50@ .75
Adiantum	.75@ 1.50
Gerardias	.20@ .25
Mignonette	3.00@ 8.00

BUFFALO, Feb. 9.

Roses, Beauty	10.00@60.00
" " Bride, Bridesmaid, Meteor.	2.00@12.00
Carnations.	2.00@ 4.00
Harrisii	15.00
Lily of the valley	3.00@ 5.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	5.00
Violets	.50@ 1.25

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Send for weekly price list and prices on large orders.

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Wild Smilax | Flowers Billed at Market Prices.

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BERGER BROS. WHOLESALE FLORISTS.

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Carnations, Violets, and Every Variety of
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weekly. All consignments large or small receive the
same attention. CORRESPONDENCE INVITED.**YOUNG & NUGENT**42 West 28th Street, Wholesale Florists.
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ties. With our long experience in shipping, and competent assistants in
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Surpassing Carnations,
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Original Pioneer House—Established 1871.

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Consignments solicited. Shipping orders
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Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

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New Telephone No. 798 & 799 Madison Sq.**Wholesale Flower Markets**

New York, Feb. 9.

Roses, Beauty, best.....	15.00@75.00
" medium.....	3.00@15.00
" culls.....	1.00@ 2.00
" Liberty, best.....	10.00@75.00
" medium.....	3.00@10.00
" culls.....	2.00@ 3.00
" Bride, Bridesmaid, G. Gate.....	2.00@15.00
" Kaiserin, Carnot.....	1.50@10.00
Carnations.....	1.00@ 3.00
" fancy and novelties.....	3.00@ 6.00
Lily of the valley.....	1.00@ 3.00
Lilies.....	6.00@10.00
Smilax.....	5.00@10.00
Adiantum.....	.10@ .50
Asparagus.....	20.00@50.00
Gardenias.....	2.00@10.00
Violets.....	.25@ .75

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Conservatory connected from which I can ship
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Tel. 3860 and 3861 Madison Square.

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Line of Choicest Flowers....**ALEX. J. GUTTMAN, WHOLESALE**
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Open for Cut Flower Sales at 6
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CONSIGNMENTS SOLICITED.

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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices:

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Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

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Will take proper care of your orders in
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Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

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High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Mail, telegraph or telephone orders filled promptly in best style.

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Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in every shape executed with care and despatch.
Leading Chicago Retailer.

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WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

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Paper White Narcissus and
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\$2.00 per hundred, in any quantity.

Long Distance Telephone Connections.

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Orders for Baskets, Boxes, Designs, Steamers, Receptions, and from out-of-town Florists will receive personal and careful attention. We guarantee perfect satisfaction.
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Cut Flowers, Floral Designs, Decorations.
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Fancy White Lilac \$1.50 per Dozen

The cut which is now ready we think large enough to supply all orders and the quality is the best of the season. : : : : : : : : :

Fancy Lily of the Valley Long stems, large bells, strictly fancy stock, \$4 per 100. Good stock \$3 per 100.

LaReine Tulips Long stems, plenty of color. The best the market affords, \$4 per 100. Plenty of other varieties. Short Tulips, \$2 and \$3 per 100.

Hudson River Violets We never had any one deny the fact that our Violets were the largest, sweetest and best in Chicago.

Fancy Mignonette \$6 to \$10 per 100.

Carnations A fine assortment of extra well grown stock and many fancy varieties. | **Roses** Extra fine, especially in Bride and Bridesmaid.

A FULL LINE OF CUT FLOWERS

If you do not receive our Price List we should like to mail it to you.

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40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

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The first special newspaper in the world for floral arrangement.

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The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

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—Of Every Description—

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407-427 Dearborn St., CHICAGO.

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WORTH HUNDREDS OF DOLLARS

American Florist Company:

The "Carnation Number" is certainly worth hundreds of dollars to carnation growers.

C. D. ZIMMERMAN.

Buffalo, N. Y., January 31, 1905.

HIGH-GRADE SOUTHERN WILD SMILAX.And Florists' Hardy Decorative Supplies.
Prices Right.**SPECIAL FACILITIES FOR HANDLING LARGE ORDERS.**
WRITE, WIRE OR PHONE.**E. A. BEAVEN,** - - **Evergreen, Ala.**

Toronto.

MARKET CONDITIONS.

Trade has picked up considerably the past week and with some it is even better than a year ago. The weather is decidedly cold. The quality of roses continues to improve and though not plentiful there are enough for ordinary demands. American Beauty show good color but are short on crop. Harrisii and calla lilies are quite plentiful and violets and bulbous stock are in oversupply. Carnations are in heavy supply and of the best quality but are sold cheap to keep them moving. The stores show a variety of nicely blooming plants. Rhododendrons, lilac, azaleas and plenty of cyclamens are to be had. Lily of the valley from this season's crop is very good and throwing fairly good foliage. There have been a number of good decorations, Dunlop having artistically decorated the Temple building for the St. Andrew's ball.

NOTES.

J. H. Dunlop and W. J. Lawrence returned from Chicago well pleased with the convention. We expect to hear from them at the next club meeting.

Entries for the carnation show February 16 in St. George's hall are coming in fast and stock in this vicinity looks in good shape for it.

Grobba & Wandrey are cutting large quantities of bulbous stock.

H. G. D.

Louisville.

Last week averaged pretty well although there was nothing more doing than was expected. The weather was probably the coldest experienced here this winter. Several suffered by not being able to keep the houses from the frost but none of the losses were very large. Roses of the second and third grades have not been giving much satisfaction, while those of the first grade will do, but are a little high priced. Carnations are continuing good in quality but the heavy demand does not give them much of a chance to make a showing. Violets are coming in in greater quantities with the demand up to expectations. Lily of the valley has become a glut. The quality is unusually good but the slow demand has caused them to become so plentiful. Narcissi and Roman hyacinths are nearly things of the past, while tulips, Dutch hyacinths, jonquils, etc., can be had in satisfactory quantities. Greens, with the exception of smilax, are very scarce.

J. E. Marret's place is in good shape, but many things have to be neglected owing to the shortage of room. A lot of Crane carnations are in very good condition.

Visitors: Warren Huckleberry, North Vernon, Ind., and Mr. Keur, of C. Keur & Sons, Hillegom, Holland.

Leo. Zoeller is to be congratulated. It is a boy.

F. L. S.

WACO, TEXAS.—The Waco Floral Society held its monthly meeting in the Business Men's Club rooms February 1. It is planned to hold a flower show in connection with the annual carnival this spring.

HARDY CUT DAGGER AND FANCY FERNS.

We carry the finest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are **DAGGER**, \$1.50 and **FANCY FERNS**, All quality, \$1.50 per 1000. Discount on larger orders. **BRILLIANT BRONZE** and **GREEN GALAX**, \$1.00 per 1000. **Laurel Festooning**, good and full, handmade 5c and 6c per yd. **Green and Sphagnum Moss**, \$1.00 per bbl. **Sphagnum Moss**, 50c per bag; 5 bags, \$2.00. **Ivy Leaves**, \$4.00 per 1000. **Sprengerl**, 25c and 50c per bunch. **Asparagus Plumosus**, 50c per bunch or string. **Leucothoe Sprays**, \$1.00 per 100; \$7.50 per 1000.



We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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53 W. 28th St., New York.



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Green and Bronze Galax Leaves, 75c per 1000.

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(Where quality is First Consideration)

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Caldwell The Woodsman Co., Evergreen, Ala.

New Crop Southern Wild Smilax
now ready in limited quantities.

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Wholesale and Retail
Dealers in all kinds of
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Ferns, Bronze and
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Leucothoe Sprays.****J. G. LOVEN.** Montezuma, N. C.**THE
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A Weekly Illustrated Journal.

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The GARDENERS' CHRONICLE has been for over SIXTY YEARS the LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscriptions to the United States, \$4.20 per year. Remittances to be made payable to H. G. COVE.

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41 Wellington St., Covent Garden, London, England.

HARDY CUT FERNS.

Fancy or Dagger Ferns, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$3.50 per case of 10,000. **Laurel Festooning**, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. **Branch Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$3.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



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**HEADQUARTERS FOR
"SUPERIOR QUALITY"
BRAND****Wild Smilax**

25 pound case.....\$3.00
35 pound case..... 4.00
50 pound case..... 5.00

ALWAYS ON HAND, AND
IN ANY QUANTITY.

NONE BETTER.

E. F. WINTERSON CO.,
45-47-49 Wabash Avenue,
CHICAGO.

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**Japanese
Fern
Balls**

5 in. and 7-9 in.
sizes.

Write for prices.

VAUGHAN'S SEED STORE,
84-86 Randolph St.,
CHICAGO. 14 Barclay St.,
NEW YORK.

TO BUY OR SELL

Advertise in THE AMERICAN FLORIST.

DREER'S SPECIAL OFFER

OF FORCING PLANTS
FOR EASTER.

Azalea Madame Van der Cruyssen.

As we are not handling Azaleas for Easter this season we offer a fine lot of this most valuable variety in fine bushy, well budded plants to close out quickly.

Per Doz.	100	Each
10 to 12-inch crowns.....	\$4.50	\$35.00
12 to 14-inch crowns.....	6.00	45.00
14 to 16-inch crowns.....	7.50	55.00
16 to 18-inch crowns.....		\$1.00
18 to 20-inch crowns.....		2.00
20 to 22-inch crowns.....		3.00

Outside of the above we have nothing left in Azaleas except a limited lot of mixed varieties in 10 to 12-inch crowns at \$4.50 per dozen; \$35.00 per 100.

NOTE.—The above prices are practically the same as those at which we book import orders, they are made low to move the plants at once, the stock is of good quality, but is limited; speak quickly if you want them.

Azalea Mollis.

An unusually fine lot of well-budded plants 15 to 18 inches high. A plant that is rapidly gaining favor for early and late forcing; it is profitable stock for the retailer to handle, as it can be grown at a minimum cost for heat and labor. \$1.50 per dozen; \$35.00 per 100.

Deutzias, FOR FORCING.

Strong, shapely, 2-year-old field-grown plants, suitable for 6-inch pots.

Gracilis Rosea, \$1.00 per dozen; \$8.00 per 100.

Gracilis Lemoinei, \$1.00 per dozen; \$8.00 per 100.

Forcing Rhododendrons.

For a late Easter will fill a vacancy where Azaleas cannot be retarded; they are becoming more popular every season; you will find it profitable to try these. We are carrying an extra large stock of bushy, well-shaped plants, covered with buds, 16 to 18 inches high, \$9.00 per dozen; \$70.00 per 100. 20 to 21 inches high, fine specimens, \$11.00 per dozen; \$90.00 per 100.

The Baby Rambler Rose

MME. NORBERT LEVAVASSEUR.

The most valuable bedding rose yet introduced. A plant which will be in strong demand for a long time. We offer good plants suitable to use for stock plants, one-year field-grown, suitable for 4-inch pots, \$5.00 per dozen; \$35.00 per 100.

Primula Veris Superba.

An excellent plant for forcing for early spring that meets with ready sales, strong plants 75 cents per dozen; \$6.00 per 100.



DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds, Plants, Bulbs, etc., is mailed to all Florists. If you do not have it at hand please advise us and a copy will be sent at once.

HENRY A. DREER,

(INCORPORATED)

714 Chestnut St., Philadelphia.

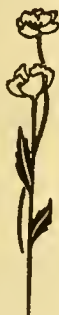
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The Gardeners' Directory....

NEW BOOK, FIRST EDITION.



PRACTICAL
CONVENIENT
COMPLETE
INVALUABLE
THOUSANDS
OF
NAMES
AND
ADDRESSES.



THIS book contains complete lists of **Gardeners and Estates Employing Gardeners** in the United States and Canada, arranged for ready reference by states and post-offices. The gardeners are also arranged alphabetically. The book contains a reliable list conveniently indexed, of the leading **Horticultural and Kindred Societies**, with the names and addresses of the Secretaries. **Price \$5.00 postpaid.**

AMERICAN FLORIST COMPANY,

324 Dearborn St., CHICAGO.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

SWEET CORN growers are showing anxiety to unload.

FLORAL PARK, N. Y.—John Lewis Childs and family are now in California.

THE Albert Dickinson Seed Company, Chicago, reports spring trade starting in briskly.

ONION sets are higher, red and yellow being quoted around \$2.75 to \$3, and white scarcer.

ALBERT DICKINSON, of Chicago, has subscribed \$1,000 to the Iroquois theatre memorial fund.

SANTA CLARA, CAL., February 6.—The recent heavy rains have so far proved very favorable.

DES MOINES, IA.—Mathias Kurtzweil, president of the Iowa Seed Company, who has been very ill since December, is slowly recovering and will be able to return to business in a few weeks.

VISITED CHICAGO: B. Suzuki, of Suzuki & Iida, New York, returning from Japan; August Rhotert, New York; Robert C. Whitehill, representing Benjamin Hammond, Fishkill, N. Y.; W. H. Mihm, representing J. Bolgiano & Son, Baltimore, Md.

ANOTHER correspondent reporting from Holland expects hyacinth prices, especially of pure white sorts to be higher, while the blues will be the

cheapest sort, as they were last year. This writer says that even with a big crop hyacinths will not exceed the demand and are likely to be a little higher than last year.

French Bulbs.

The weather in Southern France so far has been severe, cold and dry. If the drought continues it may shorten the crop of bulbs produced in this section. The rains do not usually begin until April and no one can make intelligent prediction regarding the crop until that time. Blue and rose Romans, also double Romans and narcissi will be lower. Probably there will be a larger crop of white Romans the coming season than last because many of the 11-centimeter stock were not closed out during the fall of 1904. The growers are now much interested in handling their cut flowers and have nothing to say concerning the next bulb harvest.

Senators Denounce Free Seeds.

In the United States senate February 2, the agricultural appropriation bill being under consideration, Senator Lodge criticised the appropriation of \$240,000 for seeds, saying that the seeds distributed were cheap and common, and that the entire provision was a humbug.

"We are appropriating public money," said Mr. Lodge, "year after year in order to enable us to make gifts to our constituents. We may as well look the truth in the face." He added: "It is a pleasant thing to do; we all like it, but we should not forget that we are making the country pay for it."

Senator Bailey indorsed Mr. Lodge's view, saying there was no more reason why the government should supply

farmers with seeds to plant in their gardens than there would be for supplying them with implements for working them.

Senator Proctor, a member of the committee on agriculture, announced his personal opposition to the distribution of common seeds, but said he had found it impossible to get the committee to strike it out. "It is a humbug," he said, "a cheap chromo, but one that we can't get rid of."

It may be noted that although Senators Lodge and Proctor differ very materially with Senator Bailey in party politics, they are all broad enough to meet on common ground in denouncing this waste of public money.

S. E.

Boston.

Thomas F. Galvin furnished the flowers and decorations for the Fottler-Young wedding in Dorchester last week. Miss Fottler is the daughter of Mr. Fottler of the well-known firm of Schlegel & Fottler, seedsmen.

Arthur T. Boddington and Winifred Rolker of New York have been in town the past week.

New York.

The interest of C. H. Penn in the firm of W. E. Marshall & Company, seedsmen, has been purchased by Alfred E. Wheeler, formerly with Weeber & Don. Mr. Wheeler becomes an active member of the firm.

Wm. Elliott & Sons contemplate moving from their Dey street establishment about May 1, to more convenient quarters on Fulton street.

OSSINING, N. Y.—William J. Johnson, gardener at the Sing Sing prison greenhouses, died January 20, of paralysis. He was a brother of Warden Johnson of the prison.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

LEONARD SEED

Write for Prices.
WE ARE
HEADQUARTERS

FOR
ONION SETS. Flower Seeds and Bulbs

WHOLESALE SEED GROWERS
Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Peas and Garden Seeds. WRITE FOR PRICES.
CO. CHICAGO.



NEW WAREHOUSE HAVING MORE THAN AN ACRE OF FLOOR SPACE.

Alfred J. Brown Seed Company

WHOLESALE SEED GROWERS.

Now recognized as one of
the Largest Growers of....

Fancy Peas and Beans

For the Wholesale Trade.

—Main Warehouse and Offices:—

Grand Rapids, Mich.



Asparagus
Plumosus
Nanus.

NEW CROP FLOWER SEEDS

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

We are HEADQUARTERS for Greenhouse Grown Seed of ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse Grown Seed—Per 100 seeds, 75c; 250 seeds \$1.50; 1000 seeds, \$5.00; 5000 seeds, \$22.50; 10,000 seeds, \$42.50. Price for larger lots on application.
Southern Outdoor Grown Seed—Per 1000 seeds, \$3.50; 5,000 seeds, \$16.00; 10,000 seeds, \$30.00.

	Trade Pkt.	Oz.
Ageratum , Imperial Dwarf, blue.....	\$.10	\$.25
Imperial Dwarf, white.....	.10	.25
Blue Perfection, dwarf.....	.10	.30
Princess Pauline, fine for pots.....	.10	.30
Princess Victoria Louise, new, beautiful blue and white flowers, plants compact and free-blooming.....	.10	.60
Alyssum Sweet.....	lb., \$1.25	.05 .15
Alyssum Little Gem.....	lb., \$3.50	.10 .35
Ampelopsis Velutina	lb., \$1.00	.10 .15
ASPARAGUS Plumosus Robustus , new, per 100 seeds, \$1.00; 1000 seeds, \$10.00.		
Springeri , 100 seeds, 15c; 1,000 seeds, 75c; 5,000 seeds, \$3.25.		

Write for prices on larger lots on above three.
Decumbens, 10c seeds, 50c; 1,000 seeds, \$4.00.
Comorensis, per 100 seeds, \$1.25; 1,000 seeds, \$10.00.

ASTERS.

Queen of the Market,	Trade Pkt.	¼ Oz.	Oz.
White.....	lb., \$5.00	\$.10	\$.50
Pink.....	lb., 5.00	.10	.50
Scarlet.....	lb., 6.00	.10	.50
Light blue.....	lb., 5.50	.10	.50
Dark blue.....	lb., 5.50	.10	.50
Mixed.....	lb., 4.25	.10	.40

Branching or Simple,

White.....	Trade Pkt.	¼ Oz.	Oz.
Rose pink.....	lb., \$5.00	\$.10	\$.50
Lavender.....	¼ oz., 20c.		
Red.....	Oz., 60c.		
Purple.....	Lb., \$6.50.		
Light blue.....	Trade Pkt.	¼ Oz.	Oz.
Daybreak pink.....	lb., \$6.00	\$.10	\$.50
Mixed.....	lb., \$6.00	.10	.50

Vaughan's Upright White Branching.....	.10	.20	.65
Vaughan's Upright Pink Branching.....	.10	.20	.65

Balsam, Alba Perfecta.	Trade Pkt.	¼ Oz.	Oz.
This is the largest and best double white			
Balsam.....	lb., \$5.00	\$.10	\$.50

Begonia Vernon.....	½ oz., 30c.	10	2.00
Bellis or Double Daisy			
Mammoth Mixed.....	1-16 oz., 45c.	.25	.70

Bellis or Double Daisy,	Trade Pkt.	Oz.
Mammoth White.....	1-16 oz., 40c.	.25
Mammoth Pink.....	1-16 oz., 65c.	.25
Longfellow, dark pink, ½ oz., 35c.	.20	2.50
Snowball, dbl. white, ½ oz., 35c.	.20	2.50

Candytuft , Giant Hyacinth-Flowered, Improved Empress, ½ oz., 10c.....	.15
Canna , Crozy sorts, extra choice mixed.....	lb., \$1.20 .10

Celosia , President Thiers This is a splendid variety which is so much and effectively used in our parks.....	.15	1.25
--	-----	------

Celosia Thompsoni Magnifica. Of great value for all decorative purposes in and out of doors. Pkt., 10c; ¼-oz., 25c.

Centaurea Candidissima (Dusty Miller)	Trade Pkt.	Oz.
1,000 seeds.....	.25	1.70

Centaurea Gymnocarpa	lb., \$2.75	.30
Clematis Paniculata, white, sweet scented.....	lb., \$4.50	.15 .50

Cineraria Maritima "Diamond." This is one of the finest foliage bedding plants. The leaves are broad, snow-white and lasting. ¼ oz., 60c. 15

Cineraria Maritima Candidissima.....	.10	.20
Cobaea Scandens.....	.10	.40

Alba.....	.15	.60
Coleus , Mammoth Rainbow Mixture.....	1-32 oz., 50c.	.20
Coleus , Large Leaved Sorts, extra choice mixed.....	.20	

DAHLIA, Burbank's Selection. The seed we offer is of L. Burbank's own saving, and he writes: "This seed will produce a greater proportion of large, clear, bright colored, perfect double flowers than any ever before offered; 90 per cent of good flowers can be expected." Blooms the first year from seed. Pkt. (100 seeds) 50c. Trade Pkt. Oz.

DAISY, Non Plus Ultra, best white	.15
Dracopis Indivisa.....lb., \$2.50	\$.10 \$.25
New Shasta Daisies....1-16 oz.	\$1.00 .25

New Shasta Daisies	1-16 oz., \$1.00	.25
Vaughan's Early and Late Flowering Forget-me-not	¼ oz., 25c.	.10 .80

Crevillea Robusta (Silk Oak).....	.10	.45
Heliopsis , Lemoine's Giant.....	.25	2.00

IPOMEA Noctiflora, Moonflower—	Trade Pkt.	Oz.
White seeded.....	100 seeds, 50c.	\$.10 \$.50
New Hybrid, blooms early.....	.10	.40

Lemon Verbena	¼ oz., 40c.	.15
Linnaria (Kenilworth Ivy)	¼ oz., 40c.	.15

Lobelia , Crystal Palace Compacta.....	½ oz., 25c.	.15 1.25
Speciosa, dark flowers and foliage for hanging baskets.....	¼ oz., 15c.	.10 .50
Emperor William, dwarf.....	¼ oz., 20c.	.10 .85
Bedding Queen.....	½ oz., 25c.	.15 1.25

Matricaria Capensis fl. pl. Double White Feverfew.....	.10	.25
Maurandya , Mixed.....	¼ oz., 25c.	.10 1.00
Giant blue.....	.20	
Mimulus (Musk Plant).....	¼ oz., 30c.	.10 1.00

Musa Ensete , 100 seeds, \$1.00.		
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PANSIES.

Vaughan's Up-to-Date "International"

Received the only award for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy Specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you. Price per oz., \$10.00; ½ oz., \$5.00; ¼ oz., \$1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made by us from all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassler and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture. Price ¼ lb., \$14.00; oz., \$4.00; ½ oz., 60c; trade pkt., 25c.

Petunia, "Vaughan's Best" Mixture of Large Flowering Petunias, trade pkt., (1,000 seeds) 50c; 3 pkts. for \$1.25.

Petunia, Howard's Star. Distinct from Indimitable, or Blotched and Striped. The color is a rich velvety crimson-maroon; a splendid sort for borders, hanging baskets, vases, etc. Pkt. (500 seeds) 25c.

Petunia, Vaughan's Double Petunias, mixed, trade pkt. (600 seeds) \$1.00.

Petunia, Double pure white, 250 seeds, 50c.

Petunia, Extra Large Flowering, double fringed. This extra choice strain produces about 30 per cent of splendid double fringed flowers. Trade pkt. (500 seeds) 60c; 1,000 seeds, \$1.00.

	Trade pkt.	Oz.
Pyrranthum , Golden Feather.....	\$.10	\$.30

Salvia Splendens , Clara Bedman (Bonfire).....	.25	2.25
"Drooping Spikes".....	¼ oz., 50c.	.25 2.00
A. Ragenau, very early, very dwarf.....	.25	

Smilax , new crop, ¼ lb., 70c; lb., \$2.50	.10	.25
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STOCKS, Large-Flowering German 10 Weeks.

Pure White, Brilliant Rose, Bright Crimson, Blood Red, Purple, Light Blue, Canary Yellow, Price each above per ¼ oz., 40c; oz., \$2.25; pkt., 25c.

	Trade pkt.	Oz.
Large Flowering, extra choice mixed.....	½ oz., 35c	\$.25 \$2.00

Thunbergia, Mixed..... 4 oz., \$1.00 | .10 .40 |

"Vaughan's Best" Mixture of Verbena..... ¼ oz., 50c. | .25 2.00 |

Verbena Candidissima, white, ¼ oz., 20c.....	.10	.80
Defiance, brightest scarlet.....	¼ oz., 25c.	.10 .75
Mammoth, mixed.....	¼ oz., 25c.	.15 .75
Mammoth, white.....	¼ oz., 25c.	.15 1.00
Mayflower.....	¼ oz., 25c.	.15 1.00
Mammoth purple.....	¼ oz., 25c.	.15 1.00

Vaughan's Seed Store,

NEW YORK, 14 Barclay Street.

84-86 Randolph Street, CHICAGO.

Greenhouses, Nursery and Trial Grounds, Western Springs, Ill.

—STOP—
New Aster
KATE LOCK
BEEN GROWN 48 INCHES HIGH.

Finest Aster in existence. Blooms 5 to 6 inches in diameter, full centers, stems 36 to 43 inches. Shown at all the largest exhibitions in Canada, and taken everything before it. Has never been beaten. Colors, White, Daybreak and mixed. \$2.00 per 1000 seeds. No Agents.

Originator: **J. H. LOCK**, 41 Manchester Ave., TORONTO, ONTARIO.

More than half-a-million copies of the BURPEE CATALOGUES FOR 1905 have been mailed already. Have YOU received one? If not, it will pay you to write TO-DAY? A postal card will do. Simply address

BURPEE'S SEEDS, Philadelphia, Pa.

and you will receive by return mail BURPEE'S FARM ANNUAL—so long recognized as the "Leading American Seed Catalogue." It is a handsome book of 178 pages, with elegant colored plates, and tells the plain truth about all the

Best Seeds that Grow!

If you garden for profit or are a florist you should also have Burpee's "Blue List" or Wholesale Price-List for Market Gardeners and Florists.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

PITTSFIELD, MASS.—The Greylock park commission has taken by eminent domain 1,361 acres of land in Adams and New Ashford, for the Greylock reservation, which now has 5,460 acres.

NEW YORK.—The Bloodgood Nursery, Incorporated, has been organized with a capital of \$50,000, the incorporators being P. O. Keene, H. Anderson and S. Croke, all of New York.

WASHINGTON, D. C.—An amendment to the agricultural appropriation bill, which was passed by the house, provided setting apart \$10,000 for investigation and introduction of parasites and other natural enemies of the gypsy and brown-tail moths.

HELENA, MONT.—The Montana State Horticultural Society has selected Missoula as the meeting place next year. The following officers were elected at the annual meeting: President, C. F. Dallman, Missoula; secretary and treasurer, Verdie Spurgen.

ROGERS, ARK.—The Arkansas Horticultural Society closed its annual meeting January 26. Mena was selected for the next annual meeting. The following are the new officers: President, Senator John P. Logan, Siloam Springs; secretary, Prof. Ernest Walker, Fayetteville; treasurer, J. W. Vestal, Rhea.

Nursery Notes.

Deutzias and weigelas will be in fine shape for fall trade by cutting to the ground this spring.

Hydrangea paniculata grandiflora can be layered and rooted successfully, using only the surplus branches.

White fringe is one of the shrubs that require little trimming or pruning but is as handsome a shrub as one might wish to see.

If you expect to propagate soft wood shrubs, vines, roses, etc., next season, and you have not the necessary equipment, now is a good time to figure it all out and get ready.

Japan snowball, one of the finest shrubs in our whole list, can be easily propagated from soft wood, but it must be kept close in a frame. Use a double sash. When rooted, pot up and carry over in a frame or cool house till planting time in spring. In the north it must be protected until it gets well established. M.

Shrub Cuttings.

ED. AMERICAN FLORIST:—

Kindly advise me of the proper way of handling during the winter months, until ready to plant out in the field, cuttings from the following shrubs: Deutzia, Hydrangea paniculata, philadelphus, spiraea, weigelia and California privet. E. E.

Shrub cuttings are usually stored in a cool place until through making. Then if you have a soil of a sandy nature dig a hole in the ground sufficiently

large to hold as many as you have. Below the freezing point place them in layers so there will be no difficulty in getting them out in the spring. After covering all up well throw on some straw manure or litter. Should there be no sandy soil procure some and pack the cuttings away in sand in any cool place, being careful not to let them get too dry. M.

Silver Ribbon Grass.

This is said to be a new hardy perennial, which grows from twelve to fifteen inches high, the striping very fine and delicate—green and creamy white running lengthwise of the leaf. Its greatest advantage, the disseminators claim, lies in the fact that it holds its beautiful colors and markings during the entire summer and does not run to seed. Owing to this fact, it is especially desirable for borders, edgings, etc., or for massing. It is also valuable for florists' use in filling window boxes or lawn vases. For this work clumps of roots can be lifted in the fall and stored under benches or in a cellar until wanted for dividing and potting or growing in flats ready for early spring use. It



Vick's New Silver Ribbon Grass.

also succeeds admirably as a pot plant for indoor decoration. The plant is offered by James Vick's Sons.

Portland, Ore.

A carload of nursery stock from France for J. B. Pilkington, was cleared through the custom house January 27. Prominent on the invoice were 185,000 fruit tree stocks, 6,000 English walnuts, 2,500 berry-bearing hollies, 3,000 conifers, and a long list of ornamental trees and shrubs. They were the third car lot received by him this season, the first containing 3,500 Holland-grown rhododendrons and azaleas. The duties paid amounted to about \$600.

Philadelphia.

THE MARKET.

Trade conditions have improved slightly but the demand could be very much better without a word of complaint from the storekeepers. There seems to be a full line of all kinds of stock and most of it in very good condition and up to the standard, in spite of the cloudy, snowy weather. Prices are much the same as last week. Carnations are in fair demand, Enchantress, Lawson and Joost leading. We want a

pink, color of Joost, as good as Lawson and then we will be happy. Bulbous stock is now showing up strong. There are plenty of single and double daffodils which move well; \$3 for the singles is now the price.

TRADE NOTES.

Robert Craig & Son have 10,000 cyclamens all from seed saved from selected stock of their best strains. These young plants are now out of the seed boxes, planted about four inches apart each way on tables of prepared soil, and are growing strongly, having from three to six leaves each. About 98 per cent of the seed germinated. A house has been planted with 1,000 Scott ferns. Mr. Craig has great faith in this variety and believes it will distance all the others, which appears to be the opinion of those who have seen it about here.

Wm. P. Craig, who is handling Dorothy Faust chrysanthemums, has persuaded Mr. Faust to send it out this spring. Mr. Craig had booked a large number of orders before the discussion about the name and his customers, he says, having seen the variety and knowing its value, want it.

Manager Muth, of the Philadelphia Cut Flower Company, reports business good, with considerable doing in a fine line of tulips, daffodils and other bulbous stock. R. C. Hayden, of the firm, is back to bed again but hopes to be out soon.

W. K. Harris is the leader in tulips and has a fine lot in plots of 25 to 50 bulbs. They are well grown. He is also strong in azaleas.

The Leo Niessen Company is busy handling southern greens, having a great demand for smilax, galax, etc.

J. W. Coldfish is sending in a nice lot of window plants, azaleas, freesias and a full line of bulbous stock.

Berger & Company are handling a fine line of greens, their bunch asparagus being in great demand. K.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100 \$25.00 per 1000. 2 1/4 to 3 1/4 feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000: 20 to 30 in., 5 or more branches, \$2.00 per 100 \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

RHODODENDRONS.

10,000, all sizes; large sizes to 5x5 feet. Write for kinds and prices.

C. J. NOYES, PURDLETON NURSERIES.
Manchester, England.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest, 13 acres devoted for growing this line as *Adonis*, *Aster*, *Campanula*, *Delphinium*, *Funkia*, *Hemerocallis*, *Hepatica*, *Incarvillea*, *Iris*, *Peonies*, *Phlox*, *Decussata* and *sufruticosa*, *Primula*, *Pyrethrum*, *Tritoma*, *Hardy Heath*, *Hardy Ferns*. Also 5 acres *Daffodils*, 12 acres *Conifers*, (specially young choice varieties to be grown on), 3 acres *Rhododendrons* (also the best American and Alpine varieties), 2 acres *Hydrangea*. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

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Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

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Drawer 1044 Y

Established 65 Years.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Jacs Smits, Ltd. NAARDEN, (Holland.)
(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.

August Haerens' Nurseries,

SOMERCEM, GHENT, BELGIUM.

Furnish PALMS, ARAUCARIAS, BAY TREES, FIGUS and other decorative plants for 1905, spring delivery. AZALEAS for fall delivery. Prime quality; careful packing. Trade list sent by the American Agents.

August Rölker & Sons

31 Barclay St., P. O. Box 752, NEW YORK.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.

WILL B. MUNSON, Denison, Tex.

Philadelphia Rambler.

Flowers brighter and much more double than Crimson Rambler, strong grower, blooms earlier and does not bleach out.

Field plants, 2 to 3 ft., \$2.00 per doz.; \$15.00 per 100
Field plants, 3 to 4 ft., \$3.00 per doz.; \$20.00 per 100

The Conard & Jones Co., WEST GROVE, PA.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR EASTER FORCING

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	\$.15	\$ 1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3 50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4 00	30.00
RHODODENDRONS, for forcing, bushy plants, 8 to 12 buds.....	1.00	11 00	
For forcing, large plants, 15 to 25 buds.....	2 00	20 00	
	Doz.	100	
HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr old, pot-grown, for forcing.....	5 00	35.00	
CRIMSON RAMBLERS, strong, 2-year old.....	2.00	15.00	
Strouze, 3-year old.....	2 50	18.00	
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00	

	Doz.	100
GRUSS an TEPLITZ, strong, 2-year old.....	2.00	15.00
MAMAN COCHET, strong, 2-year old.....	2 00	15.00
HERMOSA, strong, 2-year old.....	2.25	16 00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY.....	2.00	15 00
KAISERIN AUG. VICTORIA.....	2.50	20 00
PAUL NEYRON.....	2.50	20.00
LA FRANCE.....	2.00	15.00
Anna de Diesbach, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, John Hopper, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ullrich Brunner, Etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBorea, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS JAPONICUS, 1 year, 6 to 8 inches.....	2.00	18.00
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.

Forcing Stock for Easter.

AZALEA MOLLIS full of buds, nice even heads, force easily, 12-15 in. high, \$30.00 per 100; 15-18 in. high \$40.00 per 100.

DEUTZIA GRACILIS, grown especially for pot culture; very bushy; 12 15 in. high, for 6-in. pots, \$5.00 per 100; 15-18 in. high, for 7 in. or 8-in. pots \$8.00 per 100.

DEUTZIA LEMOINEI—Similar to Gracilis, but stronger grower, 15-18 in. high, for 6-in.

pots, \$3.00 per 100; 18-24 in. high, for 7 or 8-in. pots, \$10.00 per 100.

RHODODENDRONS—Best named Hybrids, bushy and full of buds, 20 in. high, \$9.00 per dozen; 24 in. high, \$12.00 per dozen; 30-32 in. high (heavy) \$24.00 per dozen.

SPIRAEA JAPONICA, \$3.00 per 100.

SPIRAEA NANA COMPACTA, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Surplus Tree Seeds.

500 lbs. Catalpa Speciosa.

500 lbs Black Locust.

Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

FOREST NURSERY AND SEED CO.,

IRVING COLLEGE, Warren Co., TENN.

Please mention the American Florist when writing.



Send to **THE MOON Company**

For Trees, Shrubs, Vines Your and Small Fruits.

Descriptive Illustrated Catalogue Free. **THE WM. H. MOON CO.** Morristown, Pa.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.

RIVER VIEW NURSERIES, J. H. O'HAGAN. LITTLE SILVER, N. J.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Washington.

On February 3 the florists were again defeated by the jolly fat men. The scores follow:

FAT MEN.				
Players.	1st.	2nd.	3rd.	
Harlow	127	179	195	
Waters	204	181	181	
Lemmon	181	158	190	
Ludwig	156	146	182	
Rodrick	165	170	167	
Totals	834	834	915	
FLORISTS.				
Players.	1st.	2nd.	3rd.	
Cooke	145	227	143	
Shaffer	155	168	157	
Lewis	139	135	129	
Ernest	115	168	158	
McLennon	147	162	166	
Totals	711	860	753	

An Elastic Statement.

The new reporter, in his story of the wedding, wrote: "The floral display stretched from the chancel rail to the doors of the church." The city editor, in a mild manner, as is the custom of city editors with new reporters, said: "Couldn't you have used a better word than 'stretched'? Say the floral display 'nodded' or 'twined' or something like that—some word more suggestive of flowers." "Stretched" is all right in this case," replied the new reporter, with the stubborn courage of a realist. "The decorations consisted of six rubber plants, and they had to stretch to cover the distance."—Baltimore American.

Ohio.

The sun never shone on a country more fair
Than beautiful, peerless Ohio;
There's life in the kiss of her rarified air,
Ohio, prolific Ohio.
Her sons are all vallant and noble and bright,
Her beautiful daughters are just about right,
And her babies, God bless them, are clear
out of sight.
The crop never fails in Ohio.

Our homes are alight with a halo of love,
Ohio, contented Ohio.
We bask in the smiles of the heavens above,
No clouds ever darken Ohio.
Our grain waves as billows of gold in the sun,
The fruits of our orchards are equaled by none,
And our pumpkins, some of them weigh most
a ton;
We challenge the world in Ohio.

Our girls are sweet models of maidenly grace
In this modern Eden, Ohio;
They are perfect in figure and lovely in face,
That's just what they are in Ohio;
Their smiles are bewitching and winning and sweet,
Their dresses are stylish, yet modest and neat,
A Trilby would envy their cute little feet,
In beautiful, peerless Ohio.

When burdens of life I'm called to lay down,
I hope I may die in Ohio.
I never could ask a more glorious crown
Than one of the sod of Ohio.
And when the last trump wakes the land
and the sea,
And the tombs of the earth set their prisoners free,
You may all go aloft, if you choose, but for me—
I think I'll just stay in Ohio.
—Cambridge (O.) Sun.

OMRO, WIS.—The Omro Horticultural Society gave a banquet at Masonic hall on the evening of January 28.

Washington.

MARKET NEWS.

The social affairs of the past week were numerous, and elaborate decorations were furnished for a number of the most notable. The diplomatic corps has been quite active in entertaining. The British ambassador and Lady Durand threw open the embassy to a host of guests, and the representatives of other nations have done likewise. The regular official programme of dinners and receptions is being carried through, and in addition there are numerous balls, teas and other events that call in the decorators. Society may have its faults, but were it not for society the lot of the Washington florists at present would be like that of the policeman in the play—not a happy one. The severe winter weather has cut down the sales to the great middle class to a minimum. This has been very noticeable in the markets, where in pleasant weather the dealers in flowers usually do a good business. The supply of cut flowers is equal to all demands, though American Beauty and Bridesmaid roses are none too plentiful, but by "neighboring," a commendable practice, all the retailers manage to fill orders. The excellent quality of Liberty roses that are being handled by several retailers, notably Cooke and Blackstone, are features of the winter's trade.

Carnations are plentiful and of good quality. Bulbous stock is plentiful, tulips, jonquils and alliums being in good supply. A large amount of cut lilac is being used and there are a few sales of pot plants of the same, but the cold weather is almost prohibitive of the handling with safety of pot plants.

NOTES.

J. H. Small & Sons have been very busy with decorations. On January 30 they had an elaborate decoration for the ball at the naval academy, Annapolis, Md.; on February 1, another for the banquet of the Loyal Legion at Raucher's, while on the night of February 3, their decoration for Mrs. Townsend's cotillion was a most profuse display of orchids, American Beauty roses and lilacs.

Fred H. Kramer is cutting extra fine Bride and Bridesmaid roses. It is agreed that in the theory and practice of growing Bride and Bridesmaid, his grower, Phil Buckingham, is "it." Mr. Kramer is also forcing large quantities of bulbs, lilacs and a variety of other stock, of which the most noticeable are a number of magnolias.

David Bissett had an accident to one of his boilers, which, however, has not put him out of business, as he is selling violets as usual. Mr. Bissett is a man who can rise up to the emergency, and to quote the lamented A. Ward, "cave in the emergency's head."

J. R. Freeman had a large amount of funeral work during the week. He furnished a number of fine designs for the funeral of Helge G. Forsberg, one of the most prominent Swedish-American citizens of Washington and a popular business man.

If Geo. H. Cooke and John Robertson cannot be found at their respective stores it is a safe conclusion that they are decorating for dinners at the homes of some of the senators.

C. Ponnelt, of Alexandria, Va., is sending in fine tulips, and extra long

strings of asparagus plumosus nanus, which is new much in demand and finds a ready sale.

N. Studer has installed a new boiler and is making other improvements. He has on hand a large stock of young plants of hardy roses, palms and adiantums.

A. Gude & Brother, in addition to their staple product of American Beauty and other roses, have a fine lot of Enchantress and Lawson carnations.

W. F. Gude, Alex. B. Garden and Henry Phister have all been on the sick list. S. E.

European Horticulture.

(FROM BRITISH HORTICULTURAL PAPERS.)

COLCHICUM STEVENI.—The best-known species of meadow saffron is the common autumn-flowering one often seen in the grass or shrubberies during September, and occasionally as a curiosity flowering from the corm without either soil or water. Amongst the known forms, however, different species keep up a succession at various times during the winter and spring. That under notice usually commences to bloom in December or early in January. It must be understood that no matter how hardy a plant is, no one could depend upon seeing it in perfection in the open air in this country, although occasionally in mild winters it might bloom to perfection. Under the conditions named, or in an unheated frame, the flowers are protected from the ill effects of frost, rain or snow. It is so different from our autumn species that few would recognize it as belonging to the same genus. The flowers and leaves appear together, being much about the same height at flowering time. Each corm, popularly termed a bulb, gives rise to one to four flowers of a soft rosy-purple, sometimes shaded with white, the oblancoate segments forming the funnel-shaped blade of the flower varying from one-half inch to three-fourths inch in length. The slender white tube carries the flowers to a height of one and one-half to two and one-half inches above the soil, so that a pot or pan of plants is very pretty and interesting at this season of the year. The slender linear leaves are bright green and about the same length as the flowers at the present time. The better-known species retains its leaves underground till spring, but they are of much larger size and altogether less interesting for pot culture, except occasionally. The species is a native of Syria and Arabia.

PTERIS PALMATA ARGENTEO-STRATA.—A colored illustration of this new variety of fern appears in the January number of the Revue de l'Horticulture Belge. It is characterized by having silvery-white stripes, running from near the midrib of each of the larger segments towards its edges, and these are apparently sufficiently numerous to render the variety distinct and attractive to those who fancy variegated ferns. For the benefit of those who have not given ferns any special attention, we may say that P. palmata belongs to a section of the genus named doryopteris and sometimes used as a generic name. The plants themselves are rather distinct in appearance, inasmuch as the fronds are short, more or less triangular and divided on the palmate plan. The principal divisions all originate from one point at the top of the leaf-stalk and radiate in different directions. These again are divided once or twice, giving the ultimate segments more or less a wedge-shaped form. This species is also notable from the fact that it gives rise to young ferns somewhere on the upper surface of the fronds, and these may be taken off and rooted as separate plants. The species may also be propagated to any extent by means of spores, which are freely produced. Hitherto, the species has not given rise to any appreciably distinct variety, and according to Charles Pynaert, the variegated form is as robust as the type, and the fronds have a very decorative aspect. The variety appeared in the cultures of M. Arthur van den Heede, a fern specialist at Ghent, who exhibited the plant at a meeting of the syndical chamber of Belgian horticulturists on May 1 last year, when he was accorded a certificate of merit for his novelty.

UNADILLA, N. Y.—The entire greenhouse establishment, including offices and barn, of N. H. Padgett was consumed by fire February 3. The loss is total with no insurance, the origin of the fire being unknown.

ROSES

ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay.....	4.00	30.00
Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00

	Per 100	Per 1000
Liberty.....	\$ 5.00	\$45.00
La Delroit.....	6.00	50.00
Uncle John.....	4.00	35.00
Kaiserin.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$25.00
Bride.....	3.00	25.00
Ivory.....	3.00	25.00
Perle.....	3.00	25.00

CARNATIONS

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise.....	1.00	9.00
Peru.....	1.00	9.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
Indianapolis.....	5.00	45.00
PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Enchantress.....	3.00	25.00
Lawson.....	1.50	12.50
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Highbomham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

The King of All Scarlet Carnations

ROBERT CRAIG (Ward)

Will Not Be Disseminated Till 1906. : : :
First Delivery Commencing December 1, 1905.

THE IDEAL CHRISTMAS CARNATION.

A Genuine Non-Bursting Scarlet Lawson.
JUST THE COLOR OF THE HOLLY BERRY.

Send your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspection variety does not prove satisfactory. PRICES: \$2.50 per doz; \$12 per 100; \$100 per 1000; 2,500 lots at \$95 per 1000; 5,000 lots at \$90 per 1000; 10,000 lots or more at \$80 per 1000.

C. W. WARD, COTTAGE GARDENS CO. Inc., Queens, N. Y.
Originator.

Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE.
American Carnation Society, 92 points.
SPECIAL DIPLOMA.
American Institute of New York.
FIRST-CLASS CERTIFICATE OF MERIT.
Massachusetts Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
Pennsylvania Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
New York Florists' Club, 93 points.
CRAIG CUP for best undisseminated seedling.
Philadelphia.
C. HARTMAN KUHN SPECIAL PRIZE
for best undisseminated seedling. Philadelphia.
FIRST PRIZE best 100 scarlet. Chicago.
FIRST PRIZE best 50 scarlet seedling. Chicago.

Carnation Cuttings

Thoroughly Rooted.

	Per 100	Per 1000
Gov. Wolcott.....	\$3.00	\$25.00
Boston Market.....	3.00	25.00
Enchantress.....	3.00	25.00
Mrs. Lawson.....	3.00	25.00
Prosperity.....	3.00	25.00

NOTE—We don't quote ridiculously low prices. We simply state that we ship you the best cuttings at the least possible prices.

Weiland & Risch,

Leading Western Wholesale Growers and Shippers of Cut Flowers.

59 Wabash Ave., Chicago.

My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White. : : : : :

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white.

We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

THE NEW ROSE

Wellesley

Is a Welcome Addition to the List of FORCING ROSES.

Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

PRICES:			
Own Root.		Grafted.	
\$ 25.....	per 100	\$ 30.....	per 100
\$ 55.....	per 250	\$ 70.....	per 250
\$100.....	per 500	\$130.....	per 500
\$200.....	per 1000	\$260.....	per 1000

WABAN ROSE CONSERVATORIES, NATICK, MASS.

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing.

60,000 Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100
BRIDE.....	\$10.00
BRIDESMAID.....	10.00
LA DETROIT.....	12.00
GEN. MacARTHUR.....	12.00
LIBERTY.....	12.00

ROOTED CUTTINGS. READY NOW.

	Per 100
BRIDE, BRIDESMAID.....	\$1.50
CHATENAY.....	1.50
LIBERTY.....	2.50
PERLE.....	2.50

CARNATIONS.

	Per 1000
GOV. WOLCOTT.....	\$12.50
WHITE CLOUD.....	12.50
NORWAY.....	12.50
LAWSON.....	12.50
MORNING GLORY.....	12.50
JOOST.....	12.50
ENCHANTRESS.....	25.00
FLAMINGO.....	50.00
CRUSADER.....	40.00
ESTELLE.....	25.00
AMERICA.....	12.50
CRANE.....	12.50
PROSPERITY.....	12.50
GAITY.....	15.00

ALL PLANTS SHIPPED FROM
HINSDALE.

Bassett & Washburn,

Store: 75 Wabash Ave., CHICAGO.
Greenhouses: HINSDALE, ILL.

Rooted Carnation Cuttings.

PINK	Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00
WHITE		
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00
Marion.....	2.00	15.00
RED		
Flamingo.....	6.00	
Crusader.....	6.00	
Crane.....	2.00	15.00
Mrs. Patten.....	6.00	
Prosperity.....	2.50	20.00
Harlowarden.....	3.00	25.00

We can furnish Cuttings of all the
Standard Varieties.

The Leo Niessen Co.
1217 Arch St., PHILADELPHIA, PA.

Carnations

Rooted Cuttings Ready Now

except as
noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.
Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000		Per 100	1000
Albatross, white.....	\$5.00	\$40.00	Harlowarden, crimson.....	\$2.50	\$20.00
America, red.....	1.75	15.00	Indianapolis, pink.....	5.00	40.00
Boston Market, white.....	3.00	25.00	Morning Glory, light pink.....	2.00	18.00
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, pink.....	3.00	25.00
Crisis, new scarlet.....	12.00	100.00	Mrs. Joost, pink.....	1.75	15.00
Crusader, red.....	5.00	40.00	Mrs. Patten, variegated.....	6.00	50.00
Daheim, crimson.....	6.00	50.00	Nelson Fisher, deep pink.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00	Prosperity, fancy.....	3.00	25.00
Eclipse, Dorner's pink.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Enchantress, light pink.....	4.00	30.00	Red Lawson, new red.....	10.00	75.00
Estelle, scarlet.....	3.00	25.00	Richmond Gem, new scarlet.....	10.00	75.00
Fiancee, new (Mar. 1).....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	The Marquis, pink.....	1.75	15.00
Flora Hill, white.....	1.75	15.00	Vesper, white.....	5.00	40.00
Genevieve Lord, light pink.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
G. H. Crane, scarlet.....	2.50	20.00	White Cloud, white.....	1.75	15.00
Gov. Wolcott, white.....	2.50	20.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

\$10 per 100
\$40 per 500
\$75 per 1000

Red Lawson will Bloom

3 to 1 against any other RED
Carnation on the market

\$10 per 100
\$40 per 500
\$75 per 1000

8000
BLOOMS

Cut and sold
Xmas Week
at \$1.50
per doz.

Palmer's
**RED
LAWSON**

8000
BLOOMS

Cut and Sold
Xmas Week
at \$1.50
per doz.

\$10 per 100
\$40 per 500
\$75 per 1000

50,000 Cuttings Sold

and not a word of complaint

FINE, STRONG, HEALTHY CUTTINGS

\$10 per 100
\$40 per 500
\$75 per 1000

W. J. PALMER & SON, Lancaster, N. Y.

The Best White Carnation on
the Market is

The Bride

Price, \$6 per 100; \$50 per 1000.

Also The New Light Pink
Carnation

PHYLLIS

Price, \$12 per 100; \$100 per 1000.

You Can Always Rely On Our Stock Being First-Class.

JOHN N. MAY,

Summit, N. J.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertisement in the American Florist. **TRY IT NOW.**

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	1.50	12.50
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	1.50	12.50

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Red Sport

(OF MACEO)

This New "Bread and Butter" commercial brilliant "Crane" Red Carnation, now in its fourth year, has the hardy constitution of Gen. Maceo, with a stronger, heavier growth, longer and stiffer stem and larger flower.

Growing under the same conditions and in the same house with Flamingo and Estelle, it has produced four times as many flowers as the former and twice as many as the latter. The color is as good as Estelle and the bloom brings as much as does Estelle at its best. Every flower is of a uniform, brilliant red, perfectly double, with an ideal calyx; in fact, we have never seen a split one.

RED SPORT is perfectly healthy, an easy variety to grow, an early and continuous bloomer, throwing its heaviest cuts around the Christmas holidays and during the winter months, when red is in demand.

RED SPORT will keep longer and travel farther than any other red carnation, and will prove a bonanza to growers doing a shipping business.

If the scarcity of reds in the market that now exists continues, **RED SPORT** will pay better to the square foot of bench room than any other variety of any color to date.

Every florist who has seen **RED SPORT** growing has placed an order for rooted cuttings, which tells the tale.

All our rooted cuttings are sold until after January 25. Orders filled in strict rotation from above date on.

Price, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, postpaid. \$8.00 per 100; \$50.00 per 1000, by express.

We guarantee cuttings to be well rooted and to arrive in good condition.

A. B. Davis & Son, Carnation Specialists
PURCELLVILLE, VA.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226,
Kennett Square, Phila.

500,000 VERBENAS — 60 — VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2½-inch pots.....\$2.50 per 100; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : :

CRISIS, New Commercial Scarlet.....		\$12.00 per 100; \$100.00 per 1000.	
Per 100	Per 1000	Per 100	Per 1000
Mrs. Patten..... \$6.00		Flamingo..... \$6.00	
Judge Hinsdale..... 4.00		Dorothy Whitney..... 3.00	
Lady Bountiful..... 5.00		Golden Beauty..... 3.00	
100	1000	100	1000
Wm. Scott..... \$1.25 \$10.00		Mrs. Lawson..... \$2.00 \$15.00	
Florians..... 1.25 10.00		Adonis..... 2.50 20.00	
Lorna..... 1.25 10.00		Harry Fenn..... 2.00 15.00	
Eldorado..... 1.25 10.00		Gov. Roosevelt..... 1.50 12.00	
Mrs. Joost..... 1.25 10.00		Mrs. P. Palmer..... 1.25 10.00	
Enchantress..... 3.00 25.00		The Queen..... 2.50 20.00	
		Buttercup..... \$3.00	
		Prosperity..... 2.00	
		Mrs. J. H. Manley..... 2.50	
		Mrs. E. A. Nelson..... \$1.50 \$12.00	
		White Cloud..... 1.50 12.00	
		Flora Hill..... 1.25 10.00	
		Portia..... 1.25 10.00	
		Queen Louise..... 1.25 10.00	
		Dorothy..... 1.25 10.00	

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$12.00 per 100; ¾-inch pots, per 100.....\$16.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100.....10.00
¾-inch pots per 100.....15.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Rooted CARNATION CUTTINGS ...NOW READY...

WHITE.		Per 100	1000	SCARLET.		Per 100	1000
Queen Louise.....	\$1.00	\$10.00		America.....	1.00	10.00	
Flora Hill.....	1.00	10.00		Potter Palmer.....	1.00	10.00	
Alba.....	1.40	12.50		Estelle.....	1.40	12.50	
Gov. Wolcott.....	1.00	10.00		J. H. Manley.....	1.50	15.00	
Norway.....	1.00	10.00		Apollo.....	1.50	15.00	
Lillian Pond.....	1.40	12.50					
Chicot.....	1.20	10.00					
PINK.				CRIMSON.			
Mrs. Thos. Lawson.....	1.40	12.50		Harlowarden.....	1.40	12.50	
Enchantress.....	3.50	30.00		Gov. Roosevelt.....	1.20	10.00	
Mrs. Joost.....	1.00	10.00					
Success.....	1.00	10.00		YELLOW.			
Mermaid.....	1.00	10.00		Golden Beauty.....	1.40	12.50	
Cressbrook.....	1.00	10.00		Eldorado.....	1.00	10.00	
Pres. McKinley.....	1.40	12.50		VARIEGATED.			
Mrs. Theo. Roosevelt.....	1.40	12.50		Prosperity.....	1.40	12.50	
SCARLET.				Marshall Field.....	1.40	12.50	
G. H. Crane.....	1.00	10.00		Stella.....	1.40	12.50	
				Armazindy.....	1.00	10.00	
				Viola Allen.....	1.20	11.00	
				Gaiety.....	1.20	11.00	

Special prices on large lots. Unrooted slips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Please mention the American Florist when writing.

CARNATIONS.

\$ 12.00 per 100
100.00 per 1000
250 at 1000 rates.

VICTORY

To Be Disseminated
1906.

—PLACE YOUR ORDERS FOR ROOTED CUTTINGS.—

Per 100		Per 1000	
WHITE LAWSON.....	\$6.00	HARRY FENN.....	\$2.50
NELSON FISHER.....	6.00	GOETHE, light pink.....	2.50
MRS. PATTEN.....	6.00	GENEVIEVE LORD.....	2.50
ENCHANTRESS.....	4.00	MANLEY.....	3.00
PROSPERITY.....	3.00	MACEO.....	1.50
THE BELLE.....	6.00	CERVERA, variegated.....	2.00
LADY BOUNTIFUL.....	6.00	LAWSON.....	2.00

—5 per cent discount for cash with order.—

GUTTMAN & WEBER, Lynbrook, L. I., N. Y.

Address all Correspondence to 52 W. 29th St., New York.

Please mention the American Florist when writing.

The White Fly.

ED. AM. FLORIST:—How can I destroy the white fly? Fumigating does not seem to do any good. The pest is always on the under side of the leaf and breeds very fast. I enclose a leaf showing the egg. The fly, when full size, is about twice the size of the egg.

J. N.

The following on this insect pest which appeared in our columns early last year, will probably interest "J. N." and other readers at this time:

This greenhouse pest has been long familiar to florists and gardeners, but little has been known regarding its life history and the agencies by which it may be kept in check. For these reasons Bulletin 140, on the white fly or plant house aleurodes, by Prof. W. E. Britton, of the Connecticut Experiment Station, is very welcome. The following summary of the bulletin will be found useful:

1. The white fly has been the worst insect pest of tomatoes and cucumbers under glass at the station during the past eight years. Many florists' plants are also injured, and the insect has attacked strawberry and many other plants out of doors in summer. It has been received from several growers in Connecticut and is widely distributed over the northeastern United States. Its original home is unknown.

2. The white fly is closely related to the scale insects, and to the plant lice. It resembles the former in its immature stages, but differs from them in that both sexes are winged when reaching the adult stage.

3. It injures plants by sucking the sap from the under sides of the leaves. The lower leaves are the first to shrivel and drop. Most of the injury is caused by the nymphs or immature insects.

4. The nymphs of the white fly have been found upon fifty-eight different kinds of plants in Connecticut.

5. About five weeks are required for the white fly to pass through its life stages, all of which are found on the under side of leaves. Eggs hatch in eleven days, and the young nymphs crawl for a short time, when they become stationary and secrete wax in long filaments. When the adults emerge the pupa skins remain attached to the leaves. It is not yet known whether the species can survive the winter unprotected in this climate, but it is carried over on plants in greenhouses and dwellings.

6. It is thought to be identical with the European species *A. vaporariorum* of Westwood, but this has not yet been fully determined.

7. Fumigating with tobacco is not an effective remedy. Hydrocyanic acid gas (using two and one-half ounces of potassium cyanide for each one thousand cubic feet) killed the insects but injured tomato plants. Dr. Fisher used one ounce of cyanide and did not injure his plants, but killed all of the insects.

8. Spraying the under surface of the leaves with common laundry soap and water (one pound dissolved in eight gallons) proved to be a cheap and effective remedy. If applied frequently, however, the soap should be occasionally washed from the leaves by spraying them with clear water.

JACKSON, ALA.—W. J. Brown's greenhouse was destroyed by fire January 26; loss about \$1,500.

CHRYSANTHEMUMS

ROOTED CUTTINGS FOR MARCH 1, DELIVERY.

	Per 100
Wm. Duckham.....	\$2.50
Alice Byron.....	1.50
Marion Newell.....	1.50
Col. Appleton.....	1.50
Omega.....	1.50

Satisfaction Guaranteed or Money Refunded.

The B. K. & B. Floral Co.
RICHMOND, IND.

CRISIS

This **NEW CARNATION** has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked
now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	60.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	4.00	30.00
H. PENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

Please mention the American Florist when writing.

ROOTED CUTTINGS

That will give satisfaction and returns.

	100	1000		100	1000
Lawson.....	\$1.50	\$12.00	Q. Louise.....	\$1.25	\$10.00
Joost.....	1.25	10.00	Flora Hill.....	1.25	10.00
Marquis.....	1.25	10.00	White Cloud.....	1.50	12.50
Enchantress.....	4.00	30.00	Prosperity.....	1.50	12.50
B. Market.....	2.50	20.00	Estelle.....	2.00	15.00

Quality is Our Hobby.

W. C. HILL FLORAL CO., Streator, Ill.

Always mention the American Florist when you order stock.

ROOTED CUTTINGS.

Fine Clean, Healthy Stock.

ROSES.

	Per 100	Per 1000
AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.20
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

	Per 100	Per 1000
RED		
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	1.50	12.50
INE.....	1.50	12.50

	Per 100	Per 1000
PINK		
NELSON FISHER.....	6.50	55.00
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.00	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00

	Per 100	Per 1000
LIGHT PINK		
HIGHBOTHAM.....	1.00	9.00
GIBSON BEAUTY.....	12.00	100.00

	Per 100	Per 1000
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.50	12.50
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

ROOTED CARNATION CUTTINGS.

—NOW READY—

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Albatross
The above at \$5 per 100; \$40 per 1000.	
The following at \$3 per 100; \$25 per 1000:	
Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

ROOTED CARNATION CUTTINGS.

Pot-Grown Carnations
2-Inch stock.

ASPARAGUS PLUMOSUS NANUS SEED,
Greenhouse grown, \$4.50 per 100.

WHITE	100	1000
May Naylor.....	\$2.50	\$20.00
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Gov. Wolcott.....	2.00	15.00
Boston Market.....	2.00	15.00

Lawson, Q. Louise, Prosperity	\$4.00	\$30.00
Harlowarden.....	5.00	40.00
Enchantress.....	6.00	50.00

VARIETIES	100	1000
Mrs. Patten.....	\$6.00	
Prosperity.....	2.50	\$20.00
Judge Hiasdale.....	4.00	

PINK	100	1000
Enchantress.....	3.50	30.00

Lawson.....	\$2.00	\$15.00
Fair Maid.....	2.00	15.00
Ethel Ward.....	4.00	
Nelson Fisher.....	6.00	

CRIMSON	100	1000
Harlowarden.....	2.50	20.00

Octoroon.....	\$4.00	
Harry Fenn.....	2.50	\$20.00

SCARLET	100	1000
Flamingo.....	6.00	
Gov. Bliss.....	2.50	20.00
Crane.....	2.00	15.00

Grafted Roses on Strong English Manetti Stock....
Bridesmaid, Bride, G. Gate, Ivory, Chateaux, 120.00 per 1000; Uncle John, La Detroit, Gen. MacArthur, 18.00 per 100.

SAMUEL S. PENNOCK, The Wholesale Florist of PHILADELPHIA.

CARNATIONS

150,000 Rooted Cuttings.

	Per 100	1000
Queen Louise.....	\$1.00	\$10.00
America.....	1.00	10.00
G. H. Crane.....	1.00	10.00
Eldorado.....	1.20	10.00
Marshall Field.....	1.40	12.50
Armazindy.....	1.00	10.00
Mrs. Joost.....	1.00	10.00
Mrs. Thos. W. Lawson.....	1.40	12.50
Pres. McKinley.....	1.40	12.50
Success.....	1.00	10.00
Harlowarden.....	1.40	12.50

Unrooted cuttings at half price. Terms: Cash or C. O. D. with privilege of examination. Express prepaid at above prices and satisfaction guaranteed.

HERMITAGE CARNATION CO.,
LOOMIS, CAL.

Chrysanthemums

ARE OUR SPECIALTY.

Our Name is Associated with the
BEST AMERICAN INTRODUCTIONS.

Judge our This Year's Introductions by the Past.
Just as good, if not better.

We also have the
BEST FROM OTHER RAISERS HERE and
ABROAD.

Our Catalogue for 1905 describes all.

NATHAN SMITH & SON, ADRIAN, MICH.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Milleham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

Chrysanthemums Rooted Cuttings

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, F. A. Cobbold, Leila Filkins, \$3 per hundred.

Dr. Enguehard, \$4; Mrs. Thirkell, \$2.
Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants. Leading standard varieties. Write for list of varieties and prices. Cash or satisfactory references. Address

Baur Floral Co., Erie, Pa.

200,000 ROOTED

Carnations

NOW READY.

White	Per 100	Per 1000	Pink	Per 100	Per 1000
Queen Louise.....	\$1.00	\$10.00	Cressbrook.....	1.00	10.00
Flora Hill.....	1.00	10.00	Scarlet		
Gov. Wolcott.....	1.00	10.00	Crane.....	1.00	10.00
White Cloud.....	1.00	10.00	America.....	1.00	10.00
Alba.....	2.00	15.00	Estelle.....	1.40	12.50
Pink			Crimson		
Lawson.....	1.20	12.50	Harlowarden.....	1.40	12.50
Marquis.....	1.00	10.00	Variegated		
Enchantress.....	3.50	30.00	Prosperity.....	1.40	12.50
Mrs. Joost.....	1.00	10.00	Marshall Field.....	1.40	12.50
McKinley.....	1.40	12.50	Armazindy.....	1.00	10.00
Mermaid.....	1.00	10.00	Viola Allea.....	1.20	11.00

100,000 Pansy Plants, at \$10.00 per Thousand.

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.

Loomis Carnation Co.

Lock Box 115, LOOMIS, CAL.

WM. PENN

READY NOW. NO WAITING.

A pleasing shade of pink, on a stiff, wiry stem. Growth clean and upright; no useless foliage. Flowers large enough for all ordinary purposes.

Will Produce More Flowers per Square Foot Than Any Carnation Now Grown.

Worth growing by the thousand but rather than have you miss trying it, I will mail free of charge 25 rooted cuttings for \$2.50; \$10.00 per 100; \$75.00 per 1000; 250 for \$8.75.

SEND FOR LIST OF OTHER VARIETIES.

Queen Louise and Lillian Pond, \$10.00 per 1000. Floriana and Harry Fenn, \$12.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing

—UNROOTED—

CARNATION CUTTINGS.

The following at \$3 per 100; \$25 per 1000
White Lawson M. A. Patten
Flamingo Nelson Fisher
Lady Bountiful Crusader

The following at \$2 per 100; \$15 per 1000
Enchantress The Queen
Boston Market Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON.....	\$6.00	\$50.00
FLAMINGO.....	6.00	50.00
ENCHANTRESS.....	3.00	25.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	60.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Macco.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Rooted Carnation Cuttings

—All Orders Filled in Rotation.—

	Per 100
Mrs. M. A. Patten.....variegated.....	\$8.00
White Lawson.....	5.00
Flamingo.....scarlet.....	6.00
Albatross.....white.....	5.00
Enchantress.....	3.00
Queen.....white.....	2.50
Boston Market.....white.....	3.00
Queen Louise, Lawson.....	2.00
J. H. Manley.....scarlet.....	2.00
Challenger.....scarlet.....	2.00

Write for Prices on Large Lots. 5 Per Cent Discount for Cash with Order.

Jas. D. Cockcroft, NORTHPORT, L. I., N. Y.

St. Louis.

THE MARKET.

The market this week has been at a complete standstill owing to the extreme cold which has been below the zero mark. Carnations have been coming in plentifully but they seem to have a tendency of going to sleep. Whether this is caused by the extreme cold it is difficult to determine. Roses have been very scarce, anything white commanding a stiff price. Violets have dropped to \$3 to \$4 per 1000. Some of the stores are selling them at 10 cents per bunch, while strange to say, the fakirs are holding them at 15 cents and find ready sale. Bulbous stock is not very plentiful except narcissus which appears abundant.

NOTES.

The new Growers' Club will hold its second meeting next Thursday, February 9. The club will have some important business to transact and it seems that the growers intend to look after their interests without consulting the retailers or the commission men.

A resolution calling the city's attention to the necessity of taking immediate action for the preservation of the historical cabin of General U. S. Grant on Art hill in Forest park was introduced in the council last night by Councilman Newell.

A. Y. Ellison will go to Milwaukee with his team of bowlers to be present at the grand tournament.

John Nyflet has been bringing into this market extra fine calla lilies.

The Ellison Floral Company moves into its new store February 10.

The Florists' Club will meet on February 9 at Odd Fellows' hall.

All the west end florists report trade very slow.

Julius Koenig with H. G. Berning is again indisposed.

Alex Siegel is very busy with funeral work.

W. F.

LANCASTER, N. Y.—The greenhouses of J. H. Rebstock were burned January 29; loss about \$3,000.

VERY LOW RATES Southwest VIA THE WABASH

Feb. 7 and 21, and March 7 and 21.
THE WABASH

will sell special homeseekers' tickets from Chicago to many points in Texas, Louisiana, Kansas, Indian and Oklahoma Territories, at \$20 for the round trip. Limit, three weeks from date of sale.

For maps, time card and full particulars, address any of the undersigned.

T. P. SCOTT, Gen'l Agt., Milwaukee, Wis.
R. S. GREENWOOD, M. P. Agt., Chicago.
F. A. PALMER, A. G. P. Agt., Chicago.
C. S. CRANE, G. P. & T. A., St. Louis.

Please mention the American Florist when writing.

ROOTED CUTTINGS READY.

White Lawson

\$7.00 per 100; \$60.00 per 1000.

ENCHANTRESS, - - - \$4.00 per 100; \$30.00 per 1000
PINK LAWSON, - - - 3.00 per 100; 20.00 per 1000

Send for catalogue for other varieties.

CHICAGO CARNATION CO.
JOLIET, ILLINOIS.

Giant Flowered Poinsettias

We have a limited amount of Stock plants of this variety. Flowers measured **18 to 24 INCHES IN DIAMETER.**

Chicago market never saw such fine stock as this variety produced and was sold by me for the past Holidays. Price, 50c per plant; \$5.00 per dozen plants; \$35.00 per 100 plants.

2½-inch plants.....\$12.00 per 100 { July and August
3-inch plants..... 18.00 per 100 { delivery.

J. B. Deamud, . . . CHICAGO. . .
51 WABASH AVENUE,

Telegraph Geranium

FOR BEDDING OUT, CONSERVATORY OR WINDOW.

Pronounced by the most competent judges, the grandest Geranium in commerce. Awarded First-Class Certificates and Diplomas. TELEGRAPH has commanded more notice, and received more honors, than any geranium disseminated. WILL SELL AT SIGHT, AND GIVE SATISFACTION.

STRONG PLANTS, 2¼-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.

Carnation Cuttings.

	Per 100	Per 1000
ENCHANTRESS	\$3.50	\$30.00
FAIR MAID	2.50	20.00
QUEEN	3.00	25.00
QUEEN LOUISE	2.00	15.00
LAWSON	2.50	20.00
CRESSBROOK	2.00	15.00
CHALLENGER	2.00	15.00
MACEO	2.00	15.00
HARRY FENN	3.00	25.00
PROSPERITY	2.50	20.00
G. M. BRADT	3.00	25.00
FIANCEE	12.00	100.00

C. WARBURTON,
FALL RIVER, MASS.

Tuberous Begonias

OUR GOLD MEDAL STRAIN.	Per 100	Per 1000
SINGLE, 6 separate colors.....	\$3.00	\$27.50
" finest mixed	2.75	25.00
DOUBLE, 4 separate colors.....	4.00	37.50
" finest mixed	3.75	35.00
25 at 100 rate; 250 at 1000 rate.		

HUBERT & CO., Mt. Vernon, N. Y.

100,000

Alternantheras

RED and YELLOW. Strong rooted Cuttings
50c per 100 or \$4.00 per 1000; in lots of 5,000
\$3.50 per 1000.

DAVIS BROTHERS, Morrison, Ill.

National Florists' Board of Trade,

Office: 56 Pine Street, New York.

Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

NEW CARNATION William Penn

A seedling of Scott and McGowan. A very pleasing, salable shade of pink. Free and continuous bloomer, good habit, and should be planted by every grower, who uses his own flowers, because there are always plenty to use. I have grown it for five years and it has given me more good salable flowers per square foot than any other variety I ever grew.
Price per 100, \$10.00; 25 at 100 rates. Price per 1000, \$75.00; 250 at 1000 rates.

FRANK L. KOHR, Lancaster, Pa.
—R. F. D. No. 3—

Please mention the American Florist when writing.

WHITE LAWSON which we introduced last season has given great satisfaction, and has proved to be The Finest White Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be filled strictly in rotation as received, so the earlier orders are booked the earlier deliveries can be made. We can supply First-class strong rooted cuttings, \$7 per 100; \$60 per 1000. Also the other novelties of the season—Fiancee, Cardinal, Fred Burki, etc. Also the cream of older sorts—Mrs. M. A. Patten, Daheim, Enchantress, Flamingo, Mrs. Thos. W. Lawson, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.
Please mention the American Florist when writing.

From New South Wales.

AMERICAN FLORIST Co.:—Enclosed please find postoffice order in payment of my subscription to the AMERICAN FLORIST, which reaches me with regularity and often contains articles and advertisements that are of considerable interest to me in my business.

R. CHEESEMAN.

CARNATIONS.**PETUNIAS.****SALVIAS.****Strong Rooted Cuttings.**

N. Fisher....\$5.00	Walcott ....\$2.00	\$18.00
Indianapolis 4.00	Lawson 1.50	14.00
Euchantress 2.50	Glacier..... 1.50	14.00
B. Market... 2.00	Prosperity.. 1.50	14.00
Estelle..... 2.00		18.00

Double Fringed Petunias

headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., **SPRINGFIELD, ILL.**

Orchids!

CATTLEYA MENDELII, just arrived in fine condition a shipment of this scarce and beautiful Orchid. Also *Laelia Anceps* and *Oncidium Tigrinum*, etc. Write for special list No. 14.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

GARDENIA PLANTS.

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex

Peacock's ... Dahlias

For plants or bulbs address

L. K. PEACOCK,
Dahlia Specialist, **ATCO, N. J.**

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS, in bud and bloom, from 5-inch pots, \$2.50 per doz.; \$20.00 per 100. **PRIMULA CHINENSIS** and **OBCONICA GRANDIFLORA**, in bud and bloom from 4-inch pots, \$7.00 per 100.

PAUL MADER, East Stroudsburg, Pa.

GERANIUMS.**ROOTED CUTTINGS.**

Fifteen varieties at \$10.00 and \$12.50 per 1000. Send for complete price list of GERANIUMS and CARNATIONS.

ALBERT M. HERR, Lancaster, Pa.

The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Cyclamen

Once transplanted, ready March 1. Seed taken from only the choicest stock—nothing better. \$2.00 per 100; \$15.00 per 1000.

C. WINTERICH, Defiance, O.

SPECIAL OFFER**Of Florists' Orchids.**

We Want More Room for Large Importations.

Cypripedium Insigne, 5,000 established unflowered growths, \$3.00 per 100; \$75.00 per 1000.

Cypripedium Callosum, 1,000 established unflowered growths, \$20.00 per 100.

Cypripedium Lawrenceanum, 1,500 established unflowered growths, \$25.00 per 100.

Dendrobium Formosum Giganteum, The florists' white orchid, established plants, 8 to 10 bulbs, \$9.00 per 12; \$70.00 per 100.

Vanda Coerulea, The florists' blue orchid. A rare opportunity. Established plants, 10 to 12 leaves, \$15.00 per 12; 12 to 15 leaves, \$22.00 per 12.

All clean, healthy plants. For other quotations, see our catalogue, to be had from

JULIUS ROEHRS COMPANY,

EXOTIC NURSERIES,

Rutherford, New Jersey.

Please mention the American Florist when writing.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine lot of single and made-up plants as ever grown, 4-in., 6-in., 8-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each.

BOSTON FERNS, 5-inch, \$30 per 100.

DRAECAENA INDIVISA, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vland, S. A. Nutt, Castellane, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorite, 2-in. pots, \$2.00 per 100.

Unrooted cuttings of **CARNATIONS**. The best and cheapest way to buy them. Queen Louise, Portia, Crocker, Goodenough, 50c per 100. Lawson, \$1.00 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY, 2-in., \$2.50 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

COLEUS**ROOTED CUTTINGS**

Verschaffeltii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000.

Golden Bedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

AGERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Revenal, rooted cuttings, 75c per 100; \$6.00 per 1000.

VINCA VARIEGATA, 3-in. pots, \$5.00 per 100.

FRANK A. PIERSON, CROMWELL, CONN.

Rooted Cuttings

PELARGONIUMS, 15 var., \$2.25 per 100.

VERBENAS, 30 var., 60c per 100; \$5.00 per 1000.

HELIOTROPE, 12 var., \$1.00 per 100; \$8 per 1000.

PETUNIAS, 20 var., \$1.25 per 100; \$10.00 per 1000.

SALVIAS, 6 var., \$1.00 per 100; \$8.00 per 1000.

GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.

AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.

COLEUS, 40 var., 70c per 100; \$6.00 per 1000.

DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100

Asp. Plumosus Nanus, small plants to close 1.75

10 Vars. Geraniums, 2½ pots and 2-in. pots 3.00

Alternantheras, red and yellow, March 1..... 2.00

10 Vars. Coleus, 2-in. pots, March 1..... 2.00

CASH

JOS. H. CUNNINGHAM, Delaware, O.

Easter Plants**A SPECIALTY.**

I have an increased stock this year, ready to bloom for Easter, including *Spiraea compacta*, *Floribunda*, *Japonica* and *Gladstone*. Three houses full of choice *Azalea Indica*, all sizes and prices, 75c, \$1.00 and \$1.25; 1,500 *Van der Cruyssen*; *Hydrangea Alaska*; *Cineraria hybrida*, 6-inch pots; Japan and *Harrisii* lilies by the thousands; White Daisies; *Ficus Elastica*, 6 to 7-inch, \$6.00 to \$9.00 per doz.; *Arucaria Excelsa*, 7-inch, 30 to 35 inches high, \$1.50 each. *Hyacinths*, Tulips, *Von Sion* daffodils, *American Beauty*, La France, and **Roses**, Bride. Everything in large quantity and at lowest prices. Watch for Special Easter Advertisement.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tlaga 3669 A.

1012 Ontario St., **PHILADELPHIA, PA.**

Please mention the American Florist when writing.

Paris Daisies.

ASPARAGUS PLUMOSUS NANUS, Extra heavy, 2-in. 2c; 3-in. 4c.

ASP. SPRENGERI, 2-inch, \$1.75 per 100.

HARDY PINKS, large field-grown, 5 sorts, 5c.

UMBRELLA PLANTS, 2-in. 8c, 2½c.

PARIS DAISY, Giant 2-inch, 2½c.

ABUTILONS, 4 varieties, 2½-inch, 8c.

Rooted Cuttings, prepaid: **Heliotrope**, \$1 per 100.

Ageratum, Gurney, Pauline 50c per 100. **Salvia**,

Splendens, Bonfire, 90c per 100. **Fuchsia**, 5 best

varieties, \$1.25 per 100. **Hardy Pinks**, 7 varieties,

some everblooming, 75c per 100; \$7.00 per 1000.

Dbi. Petunias, 10 finest, \$1.00 per 100.

Rex Begonias, 15 sorts, \$1.10 per 100. **Alternanthera**,

2 reds, yellow, \$5.00 per 1000. **Verbenas**, 75 per 100. **Swainsons Alba**, 75c per 100.

Tradescantia, 2 kinds, 75c per 100. **Everblooming Forget-me-nots**, \$1.00 per 100.

Artillery Plant, 75c per 100.

CASH

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

**Dahlias**

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeland the leading scarlet cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist, Box 382, DENVER, COL.

Please mention the American Florist when writing.

Bedding Plants.**CASH WITH ORDER.**

	Per 1000	Exp. Mail
50,000 <i>Alternantheras</i> , red, yellow, \$5	\$15.00	\$.65
<i>Alyssum</i> , double sweet.....	2.00	1.00
<i>Boston Ferns</i> , 5-inch, 25c each..	3.00	
<i>Feverfew</i> , Little Gem.....	\$15	2.00 1.00
<i>Fuchsia</i> 6 named varieties.....	2.50	1.50
25,000 <i>Geraniums</i> , Nutt and 20 other varieties.....	2.50	1.50
15,000 <i>Geraniums</i> , Mme. Salleron	2.00	1.00
<i>Petunias</i> , double fringed, white	2.50	1.50
<i>Pansies</i> , Florists' International, in bud and bloom.....	\$15	2.00
<i>Salvia</i> , 4 named varieties.....	2.00	1.00
<i>Forget-me-nots</i>	2.00	1.00

LUDVIC MOSBAEK, Onarga, Ill.

Please mention the American Florist when writing.

PANSY PLANTS THE JENNINGS STRAIN

Fine plants, fancy colors, large flowering. Large plants in bud and bloom, \$1.00 per 100. Medium size for cold frames, \$3.50 per 1000; 500 for \$2.00. By mail, 75c per 100. Seed, \$1.00 per pkt.; \$5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT, CONN.

GROWER OF THE FINEST PANSIES.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build, and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

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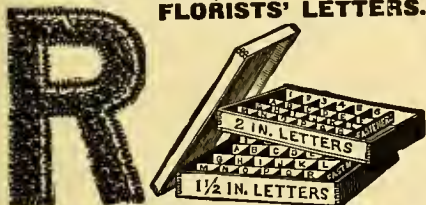
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50c per 100 lbs.
In bales of 200 to 250 lbs.

Write for special prices on carload lots.

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Providence, R. I.

With continued cold weather the problem has been to pack properly and still not hinder deliveries. Very little complaint has been made this winter on that score but this has been due to the extra care taken by the trade. And we have not heard of any plant losses. Flowers are in full supply, considering the amount of work done by the stores. Roses only have had a tendency to shortening, with prices from 3 to 10 cents for good quality. Carnations stand wholesale at \$1.50 to \$3 per 100, with a retail price of 50 to 75 cents per dozen. Violets are ever interesting and this season beat all records for the hit and miss style of placing them before the public in a respectable light. In fact the people must have a poor opinion of florists, anyway, but this can hardly be helped, for the dear violets have made themselves so dreadfully common and plentiful that the price had to drop, which made the trade hustle to dispose of the surplus, any old price being taken wholesale and retail. But the quality stands high just the same. Business is satisfactory and keeps improving gradually. M. M.

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NOVELTIES always on hand.

RED STANDARD POTS. Price per 1000 f. o. b.
Harrison: 2-in., \$2.25; 2½-in., \$2.70; 3-in., \$3.25; 3½-in., \$4.25; 4-in., \$5.50; 4½-in., \$6.80; 5-in., \$8.00; 6-in., \$11.00. Cash must accompany order.
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Red Standard Flower Pots

Price list and samples on application.

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The neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.

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Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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Packed in small crates, easy to handle.		Price per crate	
1500 2-in., in crate,	\$4.88	120 7-in., in crate,	\$4.20
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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Galvanized vent sash hinges,
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GREENHOUSE GLASS
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A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

GLASS.

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be sure
and get our prices.

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22nd St. and Union Place, CHICAGO.

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STENZEL GLASS CO., GREENHOUSE GLASS.

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Brand.

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NEW YORK.

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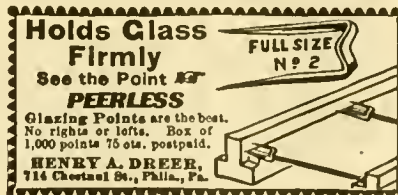
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Window Glass, Paints and Putty.
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The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

New York Glass Market.

Business during the week was practically at a standstill as a result of the heavy snow storm and the severe cold weather which tied up traffic. Prices remain firm and prospects for a general improvement are encouraging, says the Oil, Paint and Drug Reporter. The market otherwise presented a quiet appearance owing to the absence of any startling news from primary points. Good quality and large sizes of glass are still wanted and in some instances command a premium.

Bristol, Vt.

L. Merton Gage has discontinued the nursery and greenhouse departments of his business and will confine his efforts to growing gladioli and doing a small retail business.

Homer Hewett, who recently bought out the fruit farm and market gardens of A. E. Manum, contemplates good business next season. He will grow strawberries extensively. Mr. Manum, who is known as the originator of the Enormous potato, and other standard varieties, has located at Los Angeles, Cal.

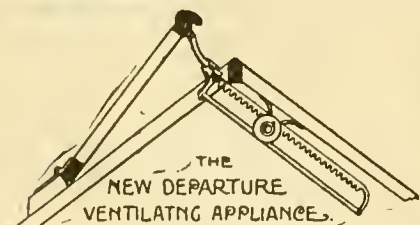
MARYVILLE, Mo.—C. H. Hollied has sold out his greenhouse business to an Eastern man.

WORCESTER, MASS.—Illuminating gas escaping from a leak in a main near the greenhouses of Stephen Salisbury caused a loss of several thousand dollars to his plants and cut flowers.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

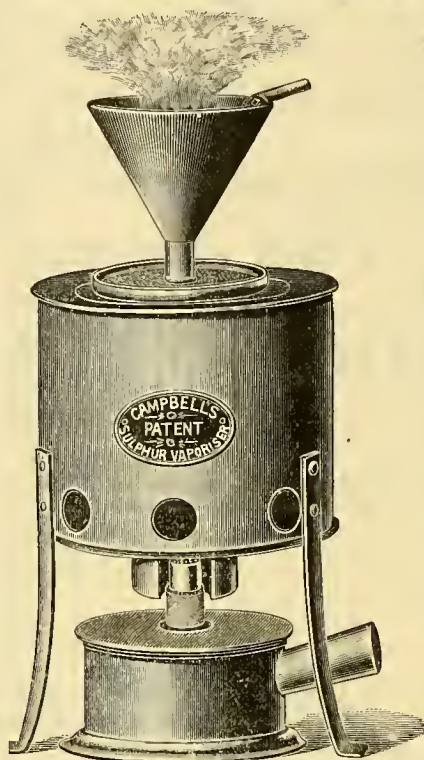


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If you doubt it try them and be convinced.
Send for descriptive price circular.

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GREAT BRITISH SUCCESS CAMPBELL'S PATENT SULPHUR VAPORISER.



An apparatus which safely vaporises sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, Strawberries, Etc. Also kills that dreaded pest Red Spider.

Hundreds of Unsolicited Testimonials.

Royal Irish Nurseries, Newtownards, Co. Down,
May 13, 1903.

Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

The Nurseries, Exmouth, Devon, October 17, 1903.

I have given your Patent Sulphur Vaporisers a thorough trial, and am more than pleased with the result. Generally, before housing my Show Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY,
Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 11, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet the tube of which is loosely closed by a pyriform hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

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A. T. BODDINGTON, 342 West 14th St., New York.

BLACKIE BROS., 44 Allen St., Halifax, Nova Scotia, Can.

The American Patent Rights of this apparatus are on sale. For particulars apply

EXORS. R. CAMPBELL, Water St., Manchester, England.

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Improved Vaporizing Pans

For Tobacco Extracts, Etc. Send for Circulars.

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The Standard VENTILATING MACHINERY



The original machine with self-oiling cups. The most powerful, least complicated, very compact with ease of operation.

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It has no equals for simplicity or its working. Catalogue free.

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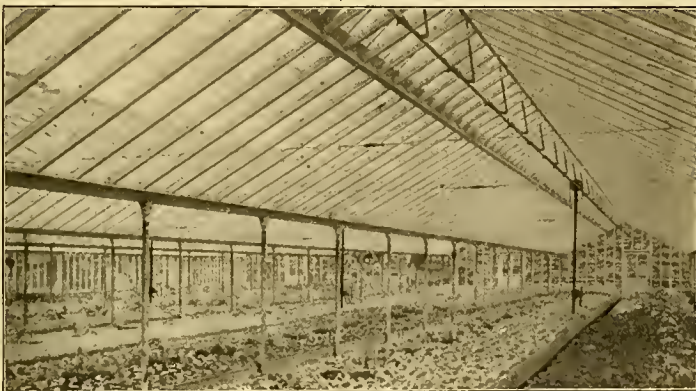
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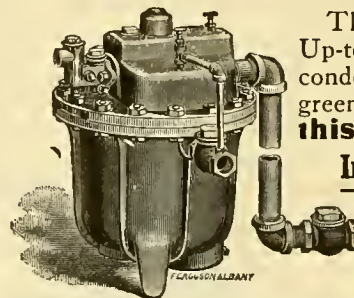
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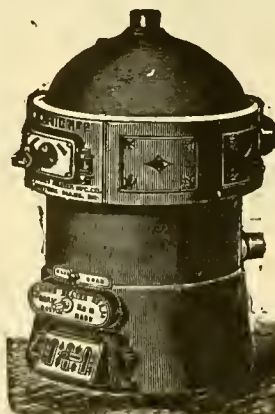
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Vol. XXIV.

CHICAGO AND NEW YORK, FEBRUARY 18, 1905.

No. 872

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Heredity.

[A paper by Luther Burbank, of Santa Rosa, Cal., presented at the second meeting of the American Breeders' Association, Champaign, Ill., February 1-3, 1905.]



The word heredity has a familiar sound to us now, though less than fourteen years ago it could not have been found in Webster's Unabridged Dictionary. It conveys a meaning which no other single word can express, and refers to the laws by which living things repeat their characteristics in their descendants.

A knowledge of the laws of heredity, or more accurately, the interaction of the hereditary forces and environmental conditions, without doubt gives man more power in guiding and molding the creative forces of nature than any other knowledge has yet, or can ever give, and as one looks back farther and still farther toward the beginning of things and the laws, or more properly forces which have led up to the present order of nature (which perhaps exceed all others in complexity), can get a broader view by which beautiful harmonies appear where before discord and apparent contradictions seemed to reign supreme.

But at first sight one is almost paralyzed in making any attempt to harmonize the various views which have been held on the subject during the last half century, and it is heartrending to know of the energies wasted on theories which had no foundation in fact, some of which nature herself would have refuted at once if approached by actual experiments with the life forces, and though wrong deductions may be made from actual experiments, yet by these alone can the facts be finally verified, and a clearer general knowledge be obtained.

Heredity may be said to be the sum of all the effects of all the environments of all past generations on the responsive ever moving life forces, or in other words, a record kept by the vital principle of the struggle onward and upward for simpler forms, not vague in any respect, but indelibly fixed by repetition. What the vital principle is we do not yet fully know, but we do know that when simple cells become joined together mutual protection is

secured, and that they then exhibit organized forces in new directions which were impossible by any one of the individual cells not associated in a cell colony with its fellows. These cell colonies will, if environment is favorable, increase in strength, while colonies less favorably situated may be crippled or destroyed. We see this natural selection in all life every day all around us. But this is only one of the many forces at work in the upward, outward and onward movement of life. It is necessary for the continued existence of any species that it should have not only perseverance, but pliability, for new conditions appear where perseverance on the old lines would mean extinction. The life forces in their march meet obstacles around, under, over or through which they must pass; various individuals have met different obstacles, and nature, by crossing these individuals having a slightly differing sum of environment or heredity, secures in their progeny greater pliability in the union.

Nearly all late writers seem to overlook or even to ignore the vast importance of natural crossing. The human intellect may well be amazed at the numerous and surprising variety of the means employed for this purpose, which alone should suggest its paramount importance in the evolution and perpetuity of all life.

Crossing is the grand principal cause of all the species and varieties of earth, sea and air. Crossing these differing lines of heredity caused by the action of past environments on the life forces produces a vast complication of vital movements, habits, tendencies, or memories if you prefer, some of which are fixed by ages of repetition, while others are of later acquisition, each of these, like drops of various chemicals in a pool of water changing by so much the heredity of the subject, all being blended into the whole as we see it in its present state. But past tendencies must fade somewhat as the new ones are added, and as each individual has ancestors in untold numbers and as each is bound to the others like the numerous threads in a fabric, individuals within a species by thus having very numerous similar lines of heredity are very much alike, yet no two are just the same. Thus in the bundles of individuals having similar heredities, which for convenience are called

species, we seldom find wide variations, and for the reasons just given, but cross two of these species and see what the result will be; sharp variations and mutations will appear, not in the first generation, as the two are bound together in a mutual compact which when unloosed by the next and succeeding generations will branch in every direction as the myriad different lines of heredity combine and exhibit themselves in various new directions as if the bundles of heredity tendencies were burst asunder by the impact and mutually arranged themselves in new and often wholly unexpected forms. Many static tendencies become dynamic under the new form of government thus produced.

A study of animals or plants belonging to widely different species and even genera which have been under similar environments for a long time will always show a similarity in many respects in the various means they are compelled to adopt for defense in the preservation and reproduction of life.

Desert plants often have thorns, acrid qualities and reduced foliage surface, while in moist climates thorns are seldom seen, and foliage is more abundant and not so often acrid or distasteful. Similar environments produce similar results on the life forces, even with the most distantly related plants or animals. This fact alone should be proof enough, if proof were still needed, that acquired characters are transmitted, even though in opposition to numerous popular theories. All characters which are transmitted have once been acquired. The life forces are constantly pressing forward to obtain any space which can be occupied, and if they find an open avenue always make use of it as fully as heredity can adapt itself to them.

Fluctuating variations and mutations in animals and plants are all due to the combination and interaction of the various life forces or tendencies and the environmental aids or obstacles which they have to meet. The life forces may be compared to a river constantly pressing forward; environments are the river banks which guide these forces as the banks guide the river, but a rock may make a ripple turning a part of the flow aside for a moment, yet the river keeps right on its way, but if enough rocks are placed in one side of the stream, or if a new and better channel is found, the whole river is turned. This may illustrate the difference between fluctuating variations and mutations of which we have heard so much of late. Mutations are only fluctuating variations carried beyond the critical point. Other similar illustrations of the actions of these forces can be drawn from the motions of ions, electrons, atoms, or planets.

Second only in power to crossing for producing variations are abrupt changes of environment such as superabundance of food, sunshine, moisture and freedom from competition. Some of these are found by plants and animals from time to time in nature and always when under domestication.

Still another force leading to variations is struggle and hardship, but these are rather negative, only bringing out and making use of force acquired when ancestral conditions were more favorable, and this brings up another matter which has always been the chief stum-

bling block to a clearer knowledge of heredity, and one of the most difficult to understand and trace. Sometimes we may, for instance, plant a pure white bean, and reap a full harvest of black ones, or vice versa. These experimental facts seem to contradict all laws of heredity; but not so, such cases only the more verify them. We have generally only to trace the matter back to find that some of the ancestors were of the same color as the strange freak which appeared without apparent cause; but still more complicated will it be when no such ancestral type can be found, and even in such a case careful study may, and often does reveal the fact that tendencies, like threads in a web of cloth had so long been pressing for expression that when the critical point had been reached the strong tendency which had long been overwhelmed by still stronger ones came to the surface, but never by chance. The latent tendencies were inherent, and by



John Seden.

(The retired English hybridizer.—See issue of February 4, page 100.)

crossing were doubled in strength or by more favorable conditions were allowed to express themselves.

Bud sports have also been a source of almost endless discussion and have never been in any manner satisfactorily explained by any theory until the parallelism of grafting and hybridizing was pointed out, and a knowledge of dynamic and static forces in life obtained.

Grafting or budding may be called a bio-mechanico-chemical combination. While crossing by seed is more of a bio-chemical union, yet this last union is often more truly mechanical than chemical as in the case of a mosaic union which is not unusual when the cross is too abrupt. In fact every gradation from a purely mechanical union to one of perfect chemical blend is a common every day occurrence with those who have carried out field experiments on a broad and comprehensive scale.

Under the views of heredity expressed above the two schools—the Lamarckian, which claims direct response of organization to environment and inheritance

of useful acquired characters—and the Darwinian which claims the working out of useful structures by the influence of selection on small fluctuating variations are perfectly harmonized, also closing the gap between Darwin and Wallace; and now that harmony can be secured between the champions of these three great masters we may well turn to some more useful work. And right here the words of Auguste Compté, though written seventy-eight years ago, apply so well to what I have said that they are here quoted and I fully and freely indorse them and am quite sure that Darwin, Wallace and Lamarck would all have done the same. He writes: "If we conceive all possible organisms to be successively placed during a suitable time, in all imaginable mediums, the greater part of these organisms would of necessity finally disappear and leave only these surviving which could satisfy the general laws of this fundamental equilibrium. It is probable that, after a succession of analogous eliminations, the biological harmony must have established itself little by little upon our planet, where we still see it continually modifying itself in a similar manner."

I have here given only a passing glance over some of the most prominent features of the action of the forces of heredity which too often seem not to have been placed in the right perspective to obtain a comprehensive view of the subject, and in closing would say that the intricate and most perplexing laws of evolution and heredity are now being traced out with great rapidity, especially since the advent of the more general plan of direct study and experiments of the biological forces themselves, and the generalizations drawn from very numerous useful and painstaking special experiments on widely different subjects, and a more general knowledge that all motion, all life, all force, all so-called matter are following the same law of heredity found in plants and animals, a forward movement towards attractions through lines of least resistance.

Luther Burbank

Propagating Trailing Arbutus.

ED. AMERICAN FLORIST:—

In your issue of February 4 you have a note on trailing arbutus (*Epigaea repens*). It may not be generally known that it can be very easily rooted from cuttings in the greenhouse in winter. I have done this at various times. The cuttings are treated somewhat as one would a coniferous evergreen, preferably taking the cuttings some time in November before they are severely frozen. Put them in boxes of sand with a night temperature less than 50°, water about twice a day and shade during the middle of the day. In about six weeks or less seventy-five per cent will be rooted and ready to pot off. In making the cuttings, I always found that some of them had small pieces of roots on them at the time, made outdoors as the runners lay on the ground. I have known such pieces to form new roots within ten days, coming in away ahead of those which were not thus supplied with a good start. However, the others seemed to do equally well if given time.

In taking the rooted cuttings out of the sand and in potting them up, care must be exercised lest the heavy ball of roots filled with sand be broken off. The weight and volume of this mass of roots and sand is quite surprising to one who has never rooted the arbutus before, especially if the cuttings are left in the sand much longer than necessary.

WITH THE GROWERS

Boblink & Atkins, Rutherford, N. J.

Few florists visit the neighborhood of Rutherford, N. J., without dropping in to the nursery establishment of Boblink & Atkins. Just now their well filled stock houses and green-

large in size. Clematis is quite prominent, and pot grown and standard lilacs are plentiful.

In another house Japanese maples are to be seen in thousands, all of the dark leaf variety; and preparation has been made for a good run on Baby Rambler roses judging from the stock noticed in the same house. A peep into a house filled with specimen bay trees shows that the firm is prepared to fill orders of any size in this line. In the large palm houses, of which there are four, there are numbers of large kentias, all well grown and in the pink of condition. The stock of smaller palms is also quite extensive.

Outside and away from the regular buildings is the tub factory, which is kept continually busy. The firm makes a specialty of plant tubs, and turns out a fine grade of stock. Of course there are hundreds of varieties of plants to be seen at the establishment which are not mentioned here, but in a hurried trip through the different departments one could hardly help being impressed by the bountiful stocks in the lines mentioned.

National Chrysanthemum Society.

The French National Chrysanthemum Society, following the example of the English and American sister societies, has decided upon issuing to its members a catalogue of all the varieties of chrysanthemums known to be in cultivation in France. It will be issued in parts contained in the society's journal, *Le Chrysanthème*, and the first installment, which comprises only the letter A, appeared in the December number of that publication. Further installments will appear in subsequent numbers until the whole is completed, when members can detach the parts and have them bound separately into a little volume for reference.

The system adopted is to give the name of the variety under the surname first, as in the American catalogue, then the raiser and date of distribution, section and color. When completed this catalogue, together with the English



ENTRANCE TO BOBBINK & ATKINS, RUTHERFORD, N. J.

The connecting link of this mass and the cuttings is often a slender root and it is at this point that it is liable to break off. For potting up, the best soil is that usually recommended for ericaceous plants, viz., leaf mold with a liberal admixture of sand. Although I have often rooted the arbutus, it has not been my fortune to watch the plants much beyond the stage where they became pothound, they then having passed into other hands. If it were a question of growing large transplantable clumps for sale, I should recommend that they be planted out of doors under lath screens and kept there until disposed of. HANS J. KOEHLER.

Monmouth Horticultural Society.

The ninth annual ball of the Monmouth County Horticultural Society was held February 10 at Red Men's hall, Oceanic, N. J. It was one of the most successful the society ever had. Over a hundred couples were in the grand march. The hall was beautifully decorated and the music, by Wyman's orchestra was splendid. The stage was tastefully decorated with cut-flowers and decorative plants by Mr. Turner. Corsage bouquets of white roses and lily of the valley were furnished for the ladies, and carnations for the gentlemen. An elaborate dinner was served at twelve o'clock. The entertainment committee deserves great credit, as the success of the ball depended mostly on them. There was a short business meeting before the ball, and William Ritchie and Frank Jenkins were elected active members. K.

BENTON HARBOR, MICH.—James H. Whitney, president of the Muskegon County Horticultural Society, is dead.

houses are more interesting than usual. In one of the storage houses may be seen upward of 200,000 roses, made up largely of teas, hybrid perpetual and standard sorts. There are in the lot good quantities of the fancy sorts, including 5,000 Maman Cochet and Killarney, the stock of the latter being heavier than usual in order to meet the growing demand which the firm is meeting for this rose. English grape plants, pot grown, are to be seen in large blocks, many of them



BAY TREES AT BOBBINK & ATKINS', RUTHERFORD, N. J.

and American societies' lists, will be of considerable value to the chrysanthemum growing fraternity all over the world.

The society has also undertaken the publication of a color chart which is in a forward state of preparation and will be completed with the names of colors in French, German, English, Spanish and Italian. This promises to be on a scale never before attempted, each color being represented in four different shades. P.

PALMS AND FERNS.

Midwinter Care of Palms and Ferns.

Work in the palm and fern houses at this season is largely of a routine character, for during the next month or so the majority of the plants in this department are not making much growth, and in consequence of this condition there is not very much potting that may be done profitably. But in the case of plants in small pots, that are getting badly root-bound and are suffering in color and general appearance from this cause, it is poor policy to allow such to wait until the general spring potting, before giving them a shift, for when they become badly starved there is much time lost before they fully recover. If any large specimens are losing color from this cause, they may be improved by an occasional watering with liquid manure, thus keeping them in condition until the roots begin to move more freely. After this they may be repotted and will start away better than would be the case were they disturbed at this early date.

Much moisture is required in the plant houses at this time, owing to the hard firing, and just as often as the weather will permit the plants should be thoroughly syringed; while under the benches and along the walks a good sprinkling may be given every day. Red spiders breed and spread very rapidly, and it is on account of this minute pest that the most forcible spraying is required. Care must be taken to get the water under the foli-

age, as well as on top. The broad leaved palms, of which the livistonas are the commonest example, are among the most likely to suffer from the attacks of red spider, and if any light colored patches are noted on the foliage of such palms, it may generally be taken as an evidence of spider, and an examination will show a colony of these insects on the under side of the leaf.

The scale insects seem to multiply at all seasons of the year, and eternal vigilance is necessary to get the best of them, but during this quiet part of the year there is, in most places, some spare time that may well be expended in cleaning up the stock in readiness for the spring potting. A bristle brush is sometimes used in this cleaning operation, but is a more dangerous tool to use than a sponge, unless it be in the hands of a very careful operator, for the bristles are very likely to scratch the surface of the leaves, the injury showing later on. But the sponging may be done more readily by giving the plant a good soaping some hours before, or even the day before attempting to sponge it, this treatment loosening the insects to a great extent.

While phoenixes do not seem to be in so great demand by decorators as they were a few years ago, still there are a good many of them about the country. It would also seem from the number of inquiries concerning it that there must be many cases of the phoenix fungus among this stock, diseased leaves having been received from many different parts of the country, and many of them showing quite bad cases of this fungus. The spores of this fungus are microscopical in size, and settle in the pores of the phoenix leaf, where they germinate and develop within the tissue of the leaf, ultimately pushing up a sort of pustule on the leaf, from which the spore-bearing process of the fungus is pushed out. It is usually at this stage of the proceedings that the trouble attracts notice.

Owing to the fact that this is not an external fungus, at least not until fully grown, it will be readily under-

stood that an application of the ordinary fungicides is not likely to be fully effective, and so far there does not seem to be any absolute specific for the disease. A cool and moist atmosphere seems to favor the growth of this fungus, and it is therefore suggested that a somewhat higher temperature, say 65°, and less water overhead will tend to check the growth of the fungus and to keep the plant in a more active condition during the winter.

Phoenix Canariensis is the species upon which this fungus seems especially at home, but I have also seen it in quantity upon *P. dactylifera* and *P. reclinata*. It is unfortunate for the commercial grower that one of the finest of the phoenix family, *P. rupicola*, is one of the slowest growers as a small plant, the consequence being that this beautiful palm is less grown now than it was ten years ago. Of course it is results that the trade grower is after, and he cannot afford to wait an indefinite time to secure them, therefore a slow-growing palm finds little favor.

P. Rabelenii is again being talked of as a commercial palm, there having been more seeds and seedlings of this beautiful dwarf phoenix on the market during the past two or three years, the young plants showing character quite early, and being very shapely and pretty. It is still too high in price to come into general use among the retail florists.

Preparations will soon be making for the summer crop of Boston ferns and the various other nephrolepsises that are included among the florists' stock, these ferns being so readily multiplied by means of their many runners. The usual practice is to plant out the stock plants on a bench, giving them about four inches of good soil of very similar character to that one would plant roses in, and in a few weeks there are likely to be some young plants that may be taken off and potted up. When first planted the nephrolepsis bed will not require very frequent waterings, but as the plants become well rooted and grow freely they will take up a great deal of water, for they should be grown in a bright and airy house in order to keep the young plants short and stocky, a night temperature of 60° to 65° being plenty warm enough.

These nephrolepsises are sometimes troubled with a certain scale insect, the mature form of which is a rather flat, brown scale, but the young insects are white and at first glance resemble tiny pieces of white cotton on the under side of the frond. This insect is very destructive to these ferns, or indeed to any fern, and its ravages soon show in the form of light colored spots that appear on the upper side of the leaf, proving that the insects have been satisfying their appetites with the juices of the leaf. A dipping in tobacco extract will kill more or less of these insects, according to the strength of the dose, but strong tobacco solution is also liable to injure the tips of the fronds. The growing tips of the nephrolepsis fronds are quite tender, and I would rather throw away a plant that was badly infested with this scale than to risk further trouble with it. It is, therefore, especially necessary that one should be very careful to plant out none but clean plants for stock, else the trouble will become more marked the following season.

W. H. TAPLIN.



BOBBINK & ATKINS' PLANT TUB FACTORY, RUTHERFORD, N. J.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 11 were as follows: New York, cucumbers, No. 1, \$1.50 to \$2.25 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 50 cents to 60 cents per dozen; mushrooms, 50 cents to 60 cents per pound; radishes, \$2.50 to \$3.50 per 100; tomatoes, 20 cents to 25 cents per pound; rhubarb, 10 cents to 40 cents per dozen bunches. Buffalo, cucumbers, \$2 to \$2.75 per dozen; tomatoes, 20 cents to 25 cents per pound. Minneapolis, cucumbers, \$2 to \$2.25 per dozen. Pittsburg, cucumbers, \$1.75 to \$2.25 per dozen. Denver, cucumbers, \$2.50 to \$3 per dozen. Cincinnati, cucumbers, \$2.50 per dozen. Cleveland, mushrooms, 40 cents to 50 cents per pound. St. Louis, cucumbers, \$2 per dozen. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 35 cents to 45 cents per pound; cucumbers, \$2 to \$2.25 per dozen. Detroit, cucumbers, \$1.60 per dozen; lettuce, 9 cents to 10 cents per pound. Philadelphia, mushrooms, 25 cents to 35 cents per pound.

Seasonable Suggestions.

To the indoor vegetable grower the past season has been dull and unpropitious in many sections, and those market gardeners who have old-fashioned glass structures with a prodigious amount of wood in their construction have been appreciably handicapped. Such a season as this has demonstrated that in growing many crops the necessity of the modern features in greenhouse construction admitting the maximum of light is essential to high quality and productivity.

TOMATOES.—In passing through several establishments the effect of the many sunless days are evident by the indifferent setting of the fruit; and while most market gardeners appreciate the importance of pollination by vigorously tapping the vines on the most favorable days, such a season as this proves the benefit of hand pollination. Where this has been faithfully performed our notes record a decided balance in their favor. The season when a good amount of sun is now with us, little trouble in pollination need be anticipated if vigorous tapping of the vines on bright days are attended to. We have practiced for some years growing tomatoes for a spring crop, benching the plants early in the year as near January 1 as possible. The advantage of this practice is obvious as regards the setting of the fruit. The quality has always been such that the southern tomatoes could hardly be considered in competition with them and the productivity unailing.

Similar results may still be procured from vines which have been in bearing and have reached the roof of the house; the vines may be unloosed and by carefully bending the stem the lower portion may be pegged in the bed and its top run up the support of its neighbor three feet away. By a little thought in manipulation, every string may be reoccupied and an entire house will soon present a youthful and vigorous aspect. The portion of stem attached to the bed will emit root and assist in the plant's nutrition. Needless to say, top-dressing

and applications of manure water must be forthcoming to maintain and re-establish the vigor.

It becomes arbitrary, in commenting upon any feature of tomato growing, to make special emphasis of the seriousness of the white-fly or plant "alyerodes," which has become such a menace to market gardeners whenever it has become established. Many do not realize the seriousness of this pest, and it

nation it will be necessary to continue hand pollination. The time for sowing seed for a new crop will be determined by the disposition one makes of their houses after the second crop of lettuce. Allow three or four weeks from seed sowing to setting out in the beds.

THE HOT BEDS.—The value of the hot beds to the average market gardener cannot be overestimated. It is frequently the only source from which



STORAGE SHED FOR RHODODENDRONS, ETC., AT BOBBINK & ATKINS', RUTHERFORD, N. J.

behooves everyone to adopt measures for its eradication when it first appears. Its presence is usually noted by a small white-fly when any portion of the vine is disturbed. On the under-side of the leaves in that vicinity will be found small scale-like bodies, one of the stages through which the insect passes. These should be removed and burned as no fumigation by tobacco will injure them. Adopt every precaution to break up their increase. Tomatoes, beans and cucumbers seem to be favorite plants, although when these become scarce they hesitate at few plants within my knowledge. Hydrocyanic acid gas is about the only sure antidote if they get established, and everyone does not care to handle a gas so deadly in its effect upon men, animals and frequently plants. For mildew, which sometimes gets in at this season, owing to injudicious airing, a dusting of flowers of sulphur will aid. It is better, however, to apply with a bellows, as a more even distribution is accomplished. For any fungous attacks Bordeaux mixture should be carefully applied through a spraying nozzle. The maxim of all good gardeners "do it now," should be reborn and a faithful adherence to all its teachings.

CUCUMBERS.—A well grown house of cucumbers presents a beautiful sight at this season. An occasional top-dressing around the plants will be a part of the routine of culture. For top dressing we have selected good, turfy soil, to which has been liberally added well-rotted cow manure. Constant application of manure water will also be needed. Where bees have not been used for polli-

he raises his entire crop of vegetable plants both for home use and sale, and not infrequently his local trade in salads and early vegetables in spring is grown therein. In making up, it is necessary to avoid the violent heat which soon burns out and leaves it cold. To do this, some care in preparing the material is necessary. A good hot-bed should hold the heat through a considerable period, lasting with the crop until it matures. We have found that, by mixing forest leaves liberally through the long straw fresh horse manure, throwing together and turning every other day for ten days or two weeks, if the bed is firmly and evenly made up, this desired object is assured.

There is no better time than February for starting the hot-bed either for plants or salads; the increasing sun and lengthening days are all in favor of its success. The very choicest lettuce can be grown in the hot-beds. Our favorite date is planting sturdy lettuce plants in the hot-bed February 15, about ten inches apart, sowing Cardinal Globe radishes between the rows. Some care in airing and covering will be needed but success and profit has always attended this operation.

FRANCIS CANNING.

English Cauliflower.

A New York firm recently received twenty baskets of English cauliflower, says an agricultural contemporary, the second shipment of the season. It is grown on the island of Penzance, one of the little islands in the British channel. The leaves of the cauliflower are

very long and the heads small, and it is not at all desirable. A year ago the firm handled this stock to advantage, but Long Island cauliflower is so much better that it is now difficult to dispose of the English stock. The duty was about \$6 on the twenty baskets.

Massachusetts Horticultural Society.

The first exhibition of the year was held on Saturday, February 11. This exhibition far exceeded those of previous years given at the same season, both in point of number of exhibits and in quality of the specimens shown. The exhibition is popularly known as the "carnation show" but in addition there were roses, violets, lily of the valley, sweet peas, cyclamen, Begonia Gloire de Lorraine and primulas. The Boston Co-operative Flower Growers' Association and the Boston Co-operative Flower Market joined with the society in making the exhibition a success by offering a number of additional prizes.

The exhibition was held in the main exhibition hall and the general effect as one entered was exceptionally brilliant. Two of the novelties which attracted general attention were the dendrobiums exhibited by Dr. C. G. Weld, of Brookline, and the Lachenalia Nelsoni from the Harvard Botanical Gardens. Among the chief carnation exhibitors were M. A. Patten, of Lowell, E. N. Peirce & Sons, of Waverly, S. J. Reuter, of Westbury, R. I., Peter Fisher of Ellis, and H. A. Stevens of Durham. A large vase of Enchantress shown by Peter Fisher, and a vase of Mikado shown by M. A. Patten were centers of attraction. A vase of 50 Judge Hinsdale shown by E. N. Peirce & Sons shared the popularity.

Of the seedlings the most prominent, were the No. 113 shown by Peter Fisher, a very deep dark red; a seedling by E. N. Peirce & Sons; seedling Helen Goddard, by S. J. Goddard, and a seedling from the F. R. Pierson Company. Of the violets William Sim was the principal exhibitor, his vase of Princess of Wales being especially noteworthy. The Waban Rose Conservatory's exhibit of Wellesley was very effectively placed and was constantly surrounded by the admiring public. H. P. S.

Odd Items.

The Kansas legislature of 1903, in making the sunflower the state flower, legislated that "this flower has to all Kansas a historic symbolism which speaks of frontier days, winding trails, pathless prairies, and is full of the life and glory of the past, the pride of the present, and richly emblematic of the majesty of the golden future."

"The Italians," said a New York florist recently, "are crazy about flowers. Rather than have a funeral without them a family of these people would pawn everything they owned and spend the money in wreaths and crosses. Most of all they like to have plenty of flowers at a baby's funeral—and many babies die. It is a common sight to see three carriages full of flowers and a band of music preceding the little white casket of a baby three months old."

The Wyoming legislature passed a bill February 4 making the wild rose the state flower.

THE RETAIL TRADE

CONSPICUOUS among a lot of flowers and floral designs presented to Max Riebenack, who assumed his new duties as comptroller of the Pennsylvania Railroad Company, at Philadelphia last week, was a bunch of forty-two American Beauty roses, each rose representing a year's service with the company. Accompanying the roses was a card bearing his name, and the sentiment: "A fragrant rose for every year of service spent and a fragrant wish for every year of life to come, from all the employes of the comptroller's department."

A Floral Cello.

This design sent by a musical organization to the funeral of one of its members was much admired. The body of the instrument was made of white carnations, the edges being outlined with white roses. The ebony parts were made of violets, the bridge and handle or back of bow of closely wrapped chenille. The keys were made of purple chenille and the strings of silver cord. The instrument rested on a base of ivy leaves. The base is a square wire design tapering from the bottom up, with probably a dozen stout wires projecting from the center about three feet high. This is a useful form to have in stock, as it will support almost any kind of frame and without much expenditure for material. It makes a green foundation that elevates and doubles the size and adds considerable to the selling price of an otherwise ordinary piece.

ROBERT KIFT.

New York.

DEMAND LIMITED.

The problem of the market is the limited demand experienced on every hand for cut flowers. The present is a season when, all things considered, the buyer should be prominent, and outside of a few things the market should clean up pretty well. A very different condition is in evidence, and middlemen are experiencing considerable difficulty in giving a semblance of moving to their consignments. Many say it is the weather, and there is no doubt that the elements are somewhat to blame. The weather has certainly blocked the usual clearance channel, the street merchant, and the dump barrel is a very unremunerative consumer. With the thawing out of the itinerant merchant the congestion experienced of late will at least give way to a return of some kind of value. A little shortage in American Beauty roses last week ran prices up to an abnormal point, but really hurt legitimate business which is too wise to butt in under such conditions. As a consequence reaction at the opening of this week brought prices for specials to the \$50 mark. Bride and Bridesmaid roses also got a set back, and it must be prime stock indeed, to get the maximum price \$15, in fact the maximum for ordinary specials is \$12. Carnations are more plentiful than ever, and the fancy stock must be par excellence to bring six cents. Enchantress is very poor, and it seems hard to get more than five cents for the best. Prosperity,

and a few other leading fancy varieties pull to the maximum post only on a sorting for quality. Violets continue as last reported, moving slowly and at slow prices. Monday as a holiday, and Tuesday as St. Valentine's day gave a little impetus to the demand for violets, but prices were unaffected. The condition of other years is repeated as far as violets are concerned. Bulbous stock is very plentiful, and prices are suffering somewhat where it is necessary to clear, but on the whole prices for fresh stock are maintained.

Market, February 15.—The market conditions today show no improvement. The price is \$60 for the best grade of American Beauty roses.

FLORISTS' CLUB MEETING.

Monday night was carnation night at the Florists' Club, and being also ladies' night there were over two hundred persons present. The carnation show was a grand one, if anything, better than previous shows of the club. John E. Haines of Bethlehem, Pa., showed a vase of his new crimson, John E. Haines. The Sea Cliff Nursery, Sea Cliff, L. I., showed a vase of Long Island Beauty. H. Weber & Son, Oakland, Md., staged My Maryland. Palmer & Son, Lancaster, N. Y., showed a vase of red Lawson. Alex. J. Guttman showed the new crimson Victory to advantage. John Reimels of Woodhaven, L. I., had a vase of Variegated Lawson and another of a new seedling. F. R. Pierson Company of Tarrytown showed a vase of Mrs. M. A. Patten, a vase of the new carnation Winsor, a vase of Daheim, a vase of Variegated Lawson, and others of Flamingo and Enchantress. John N. May had a beautiful showing of Phyllis, and J. L. Dillon of Bloomsburg, Pa., showed his Crisis. Max Wieman of Bay Ridge showed a nice vase of his Max Wiemann. The Cottage Gardens' exhibition included Lieut. Peary, Robt. Craig, The President, and three vases of seedlings. R. C. Pye of Nyack, N. Y., showed his sport of Enchantress, and M. A. Patten had a splendid showing of Mikado. Outside of carnations there was a vase of magnificent long stemmed gardenias sent by Young & Nugent, and a vase of a new pink rose sent by Peter Bisset, Washington, D. C.

The essayist of the evening was William Weber of Oakland, Md. Some routine business was transacted at the opening of the meeting. The outing committee presented a report, as also did the banquet committee. Patrick O'Mara, chairman of the committee on awards, presented a set of rules and regulations for the government and guidance of his committee. All these matters were deferred to the next meeting of the club, as well as action on the proposed amendment to the constitution. The entertainment provided by the club was very pleasing. The three young daughters of John Birnie, in Highland costume, danced Scotch dances to the accompaniment of bagpipes in the hands of a Highlander similarly costumed. H. Breining sang some excellent baritone songs, and Miss Butters gave a couple of violin solos. A substantial collation was served to the lady guests in an ante-room, and the gentlemen without got sordid comfort out of turkey well stuffed, etc. The following were elected to membership in the club: Frank McMahon, Sea-

bright, N. J.; C. Albert Small, New York; J. F. Marsden, Far Rockaway, L. I.; Clarence Saltford, New York; and Wm. G. Muller, Newark, N. J.

NOTES OF THE TRADE.

One hundred blooms of Victory carnation which were cut February 9 were forwarded to an exhibition in Boston, and on their return were good enough for use at a banquet at the new Hotel Astor. A handsome vase of Victory was on President Roosevelt's table at the Astor hotel on the occasion of the Lincoln banquet on Monday, and the President had another opportunity of examining Victory at his table at the banquet of the Hungarian Republican Club on Tuesday.

Charles Dietz of North Bergen, N. J., got a shock during the cold spell when a section of his boiler blew out. With prompt measures, however, he sustained little loss before repairs were made.

John Scott is serving his adopted country on the Supreme Court jury this week. No doubt he will take all the pleasure there is to be had out of a jurymen's duties.

C. Holberg has moved his store from Third avenue and Sixty-third street to a better location at Third avenue and Sixty-eighth street.

John J. Frielingsdorf, the Third avenue florist, is opening a store at Third avenue and Seventieth street for his son-in-law.

Julius Roehrs and J. M. Kellar left on Friday for Charleston, S. C., en route to Cuba and other points.

Chicago.

COLD HURTS BUSINESS.

Chicago and the entire west is in the merciless grip of the ice king and the coldest weather in years is recorded. The mercury went as low as 25° below zero during the week. Such conditions naturally exert a depressing influence on the market, and as a consequence business is very quiet. St. Valentine's day, which is depended upon to yield good returns, was this year frozen out and there was nothing unusual doing. Most of the violets shipped from the eastern market arrived in a frozen or semi-frozen condition, as did many other long distance shipments. With the demoralized retail market the day was a bitter disappointment. Roses continue very scarce, as it is next to impossible to connect with any quantity of them at one time. What few American Beauty and teas there are do not wait long for takers. Carnations are slowly increasing in supply and the quality is generally good, although many splits are noted. Bulbous stock of all kinds is in good supply but does not meet with much favor. Were it not for the extreme scarcity of roses, bulbous flowers would indeed be in a glut. There is a good call for greens of all kinds. Ferns are selling at from \$2 to \$3 per 1,000. Shipping trade has been greatly retarded owing to the extreme cold.

FLORISTS' CLUB MEETING.

There was a large attendance at the Florists' Club meeting Thursday evening, February 9, notwithstanding the blustering weather. Part of the evening was devoted to hearing the reports of various committees, that of the committee having in charge the club banquet and entertainment of the Ameri-

can Carnation Society convention visitors being first in importance. Three new members were elected. Prof. A. C. Beal, of Urbana, Ill., was in attendance.

NOTES.

The death of George Thielmann, retail florist, whose place of business was located at 323 Division street, occurred in California, February 1. The deceased journeyed to the coast about four months ago in quest of health. He was aged forty years and left to mourn his death, a widow and five children. Mr. Thielmann came from a long line of florists, he having three brothers and seven cousins in the business. His mother conducted a retail store in New York when he was a child. The funeral and interment took place in this city, Tuesday, February 14.



A Floral 'Cello.

George Wittbold Company reports a steady call for decorative plants, notwithstanding the severe cold weather. Both of the firm's retail stores are very busy.

E. H. Hunt reports a steady call for wire work and general supplies. The firm has been doing a nice business in tulips and other bulbous stock.

The new Benthay asters being introduced by the Benthay-Coatsworth Company have all the ear-marks of winners. The seed is going fast.

John Risch is wearing the "smile that won't come off." It's the Bride and Bridesmaid roses Weiland & Risch are now cutting.

Stollery Brothers, of the Flower Growers' Market, are making a specialty of small potted Asparagus plumosus nanus.

John Deamud is in with a good supply of wild smilax, which is in good demand.

One of the timely topics now being discussed about the market is coal.

Philadelphia.

WEATHER HAS DEPRESSING EFFECT.

The weather the past week has been very bad for transient trade so that outside of orders for special occasions there has been little doing. There is no great amount of stock coming in as only about half crops are being gathered. When the sun does make its appearance there will be some sun-burned flowers as is often the case at this time of year.

FLORISTS' CLUB MEETING.

There was a good crowd out at the February meeting of the club Tuesday. The proceedings were very interesting. Mr. Stroud read a paper, "Some Notes On Carnation Growing," which, although his first paper, placed him at once in the front rank as an essayist. He also gave a very interesting account of his visit to the Chicago carnation show. He was much impressed with some of the fancies and the general improvement of the whole exhibition. He also spoke of the hospitality of the Chicago florists who could not do enough for the visitors. There was a fine exhibition of cut blooms, the Stafford farms Mr. Stroud's place, staging vases of fifty each of Enchantress, Lawson, Prosperity, Flamingo, Harry Fenn, Hinsdale and Mrs. Patten. From out of town John E. Hines, of Bethlehem, brought his new red, named after himself. It is a first class flower, some of the blooms being 3½ inches in diameter. It has a wiry stem that supports the flower admirably. It divided the honors with a vase of fifty Victory exhibited by Weber & Guttman of New York. This is also a great red.

J. J. Black & Sons, Hightstown, N. J., sent a few of their new white which was much admired. Davis Brothers, of Bloomsburg, Pa., exhibited Mary Albert, Crisis and a new dark pink. S. S. Pen-nock staged for Weber & Sons, Oakland, Md., a vase of My Maryland, a grand white, the best of its color ever seen here. John Kuhn had some seedlings, among them a very fine rose pink which has the earmarks of a great flower.

NOTES.

H. Dumont has sold out his interest in the Philadelphia Carnation Company with greenhouses at Secone, to his partners, Robert Crawford & Son. They will carry on the business. Mr. Dumont will now give his entire attention to his wholesale commission business.

Hardy ferns for fern dishes are now very scarce nearly all the available stock having been used up. The H. A. Dreer Company with an immense stock is pushed to fill orders.

The Leo Niessen Company is handling quantities high grade stock at the present time, their special Liberty and American Beauty roses being exceptionally fine.

Myers & Samptman are right in it with American Beauty roses at the present time. They have no trouble in disposing of their specials at \$7.50 per dozen.

The Philadelphia Cut Flower Company reports a very gratifying increase in the shipping and out of town business which is growing rapidly.

Zimmer, of Collingswood, N. J., is headquarters for Primula obconica. His stock is well flowered.

John Savage has purchased the stock and leased the greenhouses of Thomas Foulds at Gwyned.

K.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line, Agate; \$1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at \$1.00 per inch, net.

The advertising Department of the AMERICAN FLORIST is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address—

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send the old address at the same time.

ARE all the seasonable seeds started?

SWEET PEAS bloom earlier in violet houses than in warmer carnation houses.

GEN. MACARTHUR, as an all around forcing rose, is making many strong friends.

ONE of the well known eastern carnation growers says that this crop, when properly handled, will pay fifteen per cent on the investment.

A BOTANIST is wanted for the National Museum, Washington, D. C., and an examination will be held May 8 under the auspices of the United States Civil Service Commission. The position carries a salary of \$75 per month and the examination will be in four subjects.

That Misfit Glass Tariff.

THE OTHER SIDE OF THE QUESTION.

ED. AMERICAN FLORIST:—

I do not wish to start a discussion of the merits or demerits of the tariff, but I, for one, do not want cheaper glass. I know of five parties here in New Albany (population 21,000) who are kept from starting in the business only on account of the high price of glass. There are five florists here now, aggregating 75,000 feet of glass—comments are unnecessary. Judging from the market reports, I should think that the less glass put up this season the better for the trade in general. We do not need more competition to cut down prices, but a united effort to obtain better prices, so we can pay our help enough for a decent living. The pitifully low wages now paid the average greenhouse help is a disgrace to our profession, and yet I believe most florists are paying as much as they can afford.

ANDERS RASMUSSEN.

Dr. Van Fleet's New Gladiolus.

ED. AMERICAN FLORIST:—

With reference to the item concerning my new hybrid Gladiolus Quartinianus in the London Gardening World of January 7, 1905, I would say that in my description of the hybrid in the Rural New Yorker, of October 29, 1904, page 782, I simply stated that my hybrid was bred from G. Quartinianus superbus, a garden or horticultural vari-

ety of the type, raised some years ago in Europe. Although G. Quartinianus was introduced from Africa early in the eighties, it apparently has never been in commerce; certainly not in the American trade. I have never been able to procure a corm of the type species, but through the kindness of Max Leichtlin, of Baden Baden, Germany, I have secured G. Quartinianus superbus and hybridized it with G. Princeps and many other varieties of garden gladiolus, chiefly of the Childsii and Nanceianus strains. Many interesting hybrids resulted, the best of which, the cross with Princeps, I have described as a late blooming giant garden gladiolus. The typical Quartinianus I understand has four to nine blooms. G. Quartinianus superbus has frequently twelve to fifteen blooms, but with me it is very late blooming, requiring glass protection to open the flowers. The new hybrid, however, bears as many as twenty-five blooms on the main spike, and more than one plant has had twenty-five blooms in addition, on the side spikes. If planted early in our locality, it blooms during August and September, ripening seed outside before frost. The flowers are large and open well, retaining very little of the hooded form of G. Quartinianus.

W. VAN FLEET.

A Business Opportunity.

ED. AMERICAN FLORIST:—

Our valley has four towns with a population of over 20,000, La Junta and Rocky Ford, only ten miles apart, having about 12,000 population. The new Santa Fe shop now completed and to open February 22, will increase the population by over 2,000. There is not a florist or greenhouse in the valley, nearly everything in that line being shipped from Colorado Springs and Denver, respectively 110 and 184 miles away. A good florist can find a good opening here. Will you make mention of this for the benefit of your many readers?

W. E. ROOP.

La Junta, Col.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

Will the enclosed plan answer for a range of houses for commercial growing? We grow a general line of stock and intend rebuilding. As yet we are undecided about the best way to set the houses. Can 2-inch and 4-inch pipe be used for steam heating, say the 4-inch for the mains and 2-inch in the houses, using 1½ or 1¼-inch pipe for returns? Which is preferable, steam or hot water?

J. J. R.

The diagram shows a three-quarter span rose house with an office at the west end; and three even-span houses, two of which would be used for carnations and the others for general florists' purposes. The houses are 18x60 feet and have a potting shed built along the west end. The rose house is separated by a space of about twenty feet but the others are built together. The boiler house is at the south end of the potting shed and some twenty feet south of the greenhouses. From the fact that a stream is shown at the south of the houses, it would appear that the land slopes in that direction. If that is

the case, the location of the boiler house will have to be on the south side; otherwise on the north side, preferably at the northeast corner. On many accounts also, it will be better to have the potting sheds at the east rather than at the west end of the houses. A 4-inch pipe would answer for a main and a 2-inch pipe would answer as the supply pipe for each house. While 1½-inch pipe may be used for the coils a smaller size would be better.

L. R. T.

Society of American Florists.

President J. C. Vaughan has appointed the following gentlemen state vice-presidents in addition to the list previously published:

District of Columbia, Geo. H. Cooke, Washington.

Kentucky, Fred Louis Schulz, Louisville.

Pennsylvania, W., Fred Burki, Bellevue.

WM. J. STEWART, Sec'y.

Meetings Next Week.

Boston, Mass.—Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, February 25, at 11 a. m. General discussion on flowers, to be opened by J. Woodward Manning.

Boston, Mass.—Gardeners' and Florists' Club, Horticultural Hall, Tuesday, February 21.

Chicago, Ill.—Chicago Florists' Club, Handel Hall, 40 Randolph street, Thursday, February 23, at 8 p. m.

Denver, Col.—Denver Floral Club, 323 Charles Block, Friday, February 24, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, Tuesday, February 21, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, Friday, February 24, at 8 p. m.

Huntington, N. Y.—Huntington Horticultural and Agricultural Society, Court Room, Tuesday, February 21, at 7 p. m., carnation exhibition.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, February 20.

New Haven, Conn.—New Haven County Horticultural Society, Tuesday, February 21.

New London, Conn.—Gardeners' and Florists' Club, greenhouses of Secretary H. H. Appeldorn, Tuesday, February 21.

Richmond, Ind.—Richmond Florists' Club, greenhouse of member, Monday, February 20.

Salt Lake City, Utah.—Salt Lake Florists' Society, Friday, February 24.

San Francisco, Cal.—Pacific Coast Horticultural Society, Monday, February 20.

Tarrytown, N. Y.—Tarrytown Horticultural Society, Thursday, February 23.

Toronto, Ont.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street, Tuesday, February 21, at 8 p. m.

Worcester, Mass.—Worcester County Horticultural Society, Horticultural Hall, Thursday, February 23, at 2:30 p. m. Lecture on "Horticultural Specialties," by Edward O. Orpet.

Horticultural Society of France.

The National Horticultural Society of France will hold a grand international exposition of the products of horticulture and the related arts and industries May 20-28, 1905. All foreign horticulturists are invited to take part. The prospectus of the exposition, as also that of the horticultural congress, which will be held at the same time, will be sent free on application addressed to the headquarters of the society, No. 84, Rue de Grenelle, Paris.

Trade Notes.

An English firm is offering *Watsonia Ardeni* as "the purest white flower on earth."

J. D. Eisele, of Henry A. Dreer's, Philadelphia, Pa., is now in Bermuda recuperating.

National Horticultural Council.**PRELIMINARY ORGANIZATION COMMITTEE**

At the conference of horticulturists held at St. Louis in connection with the World's Fair flower show last November it was suggested that a National Horticultural Council would be of immense utility and Professor Trelease, of the Missouri Botanic Garden, was charged with the duty of appointing a committee for preliminary organization. This committee is now announced as follows: Professor L. H. Bailey, of Cornell University, Ithaca, N. Y.; J. H. Hale, president of the American Pomological Society, South Glastonbury, Conn.; H. C. Irish, of the Missouri Botanic Garden, St. Louis, Mo.; J. Horace McFarland, president of the American Civic Association, Harrisburg, Pa.; J. C. Vaughan, president of the Society of American Florists, Chicago; Professor Samuel B. Green, Agricultural Experiment Station, St. Paul, Minn.; Professor L. R. Taft, Agricultural College, Mich.

GIRARD, O.—John Geddes has sold his greenhouses to William Gerke, of Cincinnati. Mr. Geddes has conducted the business successfully for a number of years.

SITUATIONS, WANTS, FOR SALE.**One Cent Per Word.****Cash with Adv.****Plant Ads. NOT admitted under this head.**

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—By a young man as grower, 10 years' experience with roses, carnations, mums and bedding stock, single, German. Address F. W. SARRANSEY, Kenton, Ohio.

Situation Wanted—By a florist, Swede, single, 33 years' experience in England and one year in United States. Address W. care Christenson, 2215 N. Hermitage Av., Chicago.

Situation Wanted—By young man, in greenhouses, understands hot water and steam heating; can give A1 references. Address B. S., care J. V. Phillips, 272 Fulton St., Brooklyn, N. Y.

Situation Wanted—As foreman on commercial place, best of references and 19 years' experience in growing palms, plants and cut flowers. Address FRED C. BISACRE, 1 Common St., Winchester, Mass.

Situation Wanted—By young man with a few years' experience in greenhouse work, in a retail flower store to learn decorating and design work. Please state wages. Address Box 156, care American Florist.

Situation Wanted—By sober, middle aged, experienced florist and gardener; capable to take charge of small commercial or private place; not over 100 miles from Chicago. Address Box 161, care American Florist.

Situation Wanted—By florist with ten years' experience in Beauties, teas, carnations, mums, violets, palms, ferns and general stock. German, single, good references. Address Box 153, care American Florist.

Situation Wanted—By a German florist, in a large commercial place as manager or foreman; 20 years' experience in growing cut flowers, carnations and roses my specialty. Address Box 148, care American Florist.

Situation Wanted—As head gardener, well up in all its branches, A1 orchid grower, married, no family, naturalized, English, aged 32. Address with particulars Box 147, care American Florist.

Situation Wanted—By young man, German, 25 years of age, thoroughly experienced with indoor and outdoor culture; will be ready to take private place by March 1; can show good reference from present place. Address L. ROLL, Lake Forest, Ill.

Situation Wanted—As foreman on good sized commercial place where growing roses for cut flowers is made a specialty. Refer to Alex. Montgomery, Washn Rose Conservatories, Natick, Mass. Address Box 150, care American Florist.

Situation Wanted—By French gardener, 30 years old, single, sober, life experience in all branches. Can furnish first-class reference. American private place in east preferred. Address B. GUERAY, Hotel of Paris, Eighth St., near Olive, St. Louis, Mo.

Situation Wanted—By A1 grower of roses, carnations, mums, palms, orchids and general line of bedding plants, also vegetables; married, no children; capable of running any size place profitably; can build and equip greenhouses if necessary. State particulars in first letter. Address Box 159, care American Florist.

Situation Wanted—Do you need reliable help? A man who is trustworthy, sober and intelligent, capable of growing cut flowers and potted plants, am up-to-date on designing and funeral work, am desirous of working up to a commendable position. Shall extend the courtesy of giving full particulars to each communication. Address Box 160, care American Florist.

Situation Wanted—By a single man, 30 years old, as assistant gardener on a private estate. I have experience in cut flowers, pot plants, vegetables, etc. At present time have charge of a rose section. With about 10 years' experience in Europe; have been working 5 years in France, 3 years in a small private place and 4 years in this country. I am a willing worker; good habits. Address PETER WEEKER, care John Muno, Rogers Park, Chicago.

Help Wanted—Rose growers. Address HELLER BROS., New Castle, Ind.

Help Wanted—Good florist for pot truck business. Address 400 Melrose St., Chicago.

Help Wanted—An A No. 1 rose grower. Address with full particulars. G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Help Wanted—Grower's assistant, young man with some experience in cut flowers and general stock. Address M. M. STROVE, Sioux Falls, South Dakota.

Help Wanted—Thoroughly competent young man to assist in growing cut flowers and plants. State age, experience and wages expected. Address ROBT. E. RUDOLPH, Paducah, Ky.

Help Wanted—Competent man to grow vegetables in quantities for large private family and otherwise assist gardener. Also man to care for six cows and be generally useful in garden. Address ALFRED HARDINO, Villa Nova, Pa.

Help Wanted—Man thoroughly familiar with growing decorative plants commercially, who is willing to go to Porto Rico; one who has some capital preferred. Address WM. C. SMITH, San Juan, Porto Rico.

Help Wanted—A good grower of carnations, chrysanthemums, roses and general stock; must be single, sober and industrious. Send full particulars of experience and former positions, with amount of wages expected. Address Box 157, care American Florist.

Wanted—To purchase a flower store. State all particulars in first letter. Address Box 149, care American Florist.

Wanted—Cold frames. Could use 50 to 75 cold frames at low price. State condition and lowest cash price. Box 155, care American Florist.

For Sale—Ballard's Greenhouse. \$750. Perry, Iowa.

For Sale—Retail flower store; good location, Chicago. Box 131, care American Florist.

For Sale—About 9,000 square feet glass, good dwelling, one acre ground; no competition. Reason for selling, rheumatism. Address B. W. WILLIAMS, Greenville, Pa.

For Rent—\$50 per month, five greenhouses, 9,000 square feet of glass, nine and one-half acres of good ground, house and barn, long lease, \$1,000 cash for stock, etc., near Chicago. Address Box 152, care American Florist.

For Sale—Five-acre tract of land, two houses, barn and greenhouse in flourishing town of 4,000 in southwestern part of Ohio. Good chance to do nice business, no competition. Address THE WAYNE SPECIALTY WORKS, Milton, Ind.

For Sale—National cash register, all metal, \$250 machine, guaranteed as good as new, with tape rollers, total adder, registers from one cent to fifty dollars, handle crank. Will sell for \$125 cash or will take \$150 worth of palms. Address A. LANGE, 51 Monroe St., Chicago.

For Sale—In order to devote my time to my old fashioned salve business I will sell my dwelling and three greenhouses, fully stocked, ready to go straight ahead; four hot-bed sash, horse, wagon, tools, everything needed. Established twelve years; seven miles from Philadelphia. Address F. R. MATSINGER, Palmyra, N. J.

For Rent—At Frederick, Md., greenhouses 18x63, 11x107, 20x162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. Address HENRY TRAIL, Frederick, Md.

Foreman Wanted.

We have 10,000 square feet of glass and 10 acres of ground. Grow carnations and bedding stock. Want a man capable of managing such a place profitably to take entire charge. References required. Four-room cottage on the place. Prefer married man with whom help can board. Write in full at once stating what wages you want. Permanent position for right man. THE STILES CO., Oklahoma City, Okla.

UNUSUAL OPPORTUNITY.

For Sale—Greenhouse property, stock and retail business, consisting of eight greenhouses and store, about 22,000 feet of glass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philadelphia, right in center of a growing population. Doing a first-class retail business. A splendid opportunity; only \$3,500 cash required, remainder can remain on mortgage at 5 per cent. To close an estate. Box 114, care American Florist.

Florist Wagon For Sale.

Built to order of the very best material, seat and sides upholstered in leather, two windows on each side, double plate beveled glass, color of painting, body dark Prussian blue with gold trimmings, silver trimmings on hubs, shafts and running gear, wheels painted vermilion red with black stripes, silver side lamps, eight movable shelves inside, everything first-class and cost \$235 eighteen months ago; rubber tires. All guaranteed as represented. A fine wagon for florist in large city; is very attractive. Will give six months' credit to responsible party. Have three others and can do without it. Price \$175. Address WALTER BUTLER, Florist, Chillicothe, O.

Wanted...

For a considerable establishment in Germany; nurseries and greenhouses; cut flowers a specialty.

FIRST-CLASS MANAGER, GERMAN.

30 to 40 years, evangelic, best recommended, must understand management in general and special growing of roses and carnations. Wages, \$75.00 per month, share in profits, free lodgment and fuel. A permanent position to the right party. Apply at once. Copies of testimonials and references in first letter. Address

Box 158, care AMERICAN FLORIST.

ALWAYS MENTION THE....

AMERICAN FLORIST

WHEN WRITING ADVERTISERS.

Washington.

THE MARKET.

Decorations for social events were the leading features of the trade of the past week. The death of several prominent persons occasioned a number of large funeral orders. American Beauty roses are scarce, hard to procure and high in price, being quoted at \$9 per dozen, wholesale. Liberty is more plentiful and is being largely used as a substitute for American Beauty. The supply of other roses is sufficient to meet the requirements and fine stocks of Bride and Bridesmaid, Killarney, Kaiserin and Golden Gate may be seen in the leading stores. With the exception of good reds, carnations are plentiful, good blooms selling at 50 cents per dozen, retail, and the best go at \$1.50 per dozen. New York violets bring \$2 per 100; local grown violets, \$1.50 per 100. The amount of bulb stock in sight amounts almost to a glut of the market and a well-known dealer, who combines growing and retailing, has just informed me that he will curtail the product in that line for next season. It is probable that the same course will be pursued by other growers not only with bulbs, but azaleas as well, as hundreds of them are being handled at a loss to the growers. There are fine specimens of rhododendron on the market which sell for from \$2 to \$3. The whole situation in pot stock may be summarized by saying that while it helps fill up and make the stores attractive and there are occasional sales of it, nobody is making much money out of it, excepting possibly those who can use large plants to advantage in decorations.

FLORISTS' CLUB MEETING.

There was a good attendance at the regular monthly meeting of the Florists' Club February 7, and considerable enthusiasm was manifested. President Gude and Vice-president Freeman of the S. A. F., spoke entertainingly of matters pertaining to the next convention. Mr. Freeman has taken an interest in getting up a suitable convention souvenir. At the meeting he exhibited a book of engravings which were considered suitable for the illustrated features, comprising views of the principal public buildings of this city. Peter Bissett exhibited a vase of his pink seedling rose, grown at Twin Oaks, which were voted fine blooms.

NOTES.

In Blackistone's window there is now an elaborate St. Valentine's day decoration. The center is a heart of red immortelles pierced with an arrow. This is supported by an immense pair of gilt wings—the wings of love. A sap-headed young cynic says that it is most appropriate as none of the girls of his acquaintance consider love unless gold accompanies it. Mr. Blackistone is handling large quantities of New York violets, his sales on February 12 amounting to 6,000. He had also on that day a large amount of work for the funeral of Mrs. Colton, formerly of California. Many of the designs were elaborate and beautiful.

There having been some complaint with reference to the scant observance of McKinley day, it may be stated that A. Gude & Brother had a handsome decoration in their window for the occasion. In the center was a picture of President McKinley, the frame deco-

rated with bunting, while on either side there was an elaborate display of carnations. Their carnation sales for the day were good. Z. D. Blackistone also had a suitable decoration in his window.

Alex B. Garden has an extra fine quality of white lilac, rhododendrons and yellow Prince tulips. In cut flowers he is also sending in good Bridesmaid and Golden Gate roses and Enchantress, Lawson and G. H. Crane carnations.

George C. Shaffer executed a beautiful floral palette for the funeral of a member of the Painters' Union on February 12. It was composed of Bride roses, Enchantress carnations, sweet peas, violets and freesia.

J. Louis Loose has a handsome St. Valentine's day decoration in his window, the handiwork of Fred Wolfe, Mr. Loose is showing a good stock of roses and carnations.

William Mitchell, of Gude's, is wearing the smile-that-won't-come-off on account of the good quality of carnations which he is cutting.

Hammer & Sons wish to deny the report published in an eastern trade paper that their stock has been damaged by frost. S. E.

Cleveland.

FLORISTS' CLUB MEETING.

The carnation exhibition held by the Florists' Club last Monday evening was a complete success. A magnificent display was made by the local growers, as well as those from out of town. The J. D. Thompson Carnation Company's display of Robert Craig was greatly admired by all and conceded to be a grand thing. It received the club's certificate of merit. As also did a splendid vase of Red Lawson from W. J. Palmer and son, Buffalo, N. Y. Richmond Gem was exhibited by the B. K. & B. Floral Company of Richmond, Ind.; while the flower of this variety is rather undersized the color is fine, and it is claimed to be a wonderful producer. Certificates of merit were also awarded to the Essex Greenhouse for a magnificent display of Bridesmaid and Meteor roses. Also a certificate to the same firm for two vases of sweet peas. The J. M. Gasser Company was awarded a certificate for General MacArthur rose which was shown in magnificent form. This firm also exhibited Bride, Bridesmaid and La Detroit, all fine specimens.

The following is a list of the awards: Enchantress, first to Bate Brothers, for a wonderful vase of this grand variety with stems four feet long and flowers from 3 to 5 inches across; second, Carl Hagenburger, Mentor, O.; third, Essex Greenhouses. Lawson, first, Essex Greenhouses; second, Bate Brothers; third, Carl Hagenburger. White, first, Carl Hagenburger, with Lady Bountiful; second, J. Merkel & Son, for White Lawson; third, the same firm for Gov. Wolcott. Red, first, G. M. Nauman, for Flamingo; second, J. Merkel & Son, for a rose of the same variety; third, H. A. Hart, for fine display of G. H. Crane. Light pink, first Bate Brothers, for Joost; second, Essex Greenhouses; third, H. A. Hart, for Genevieve Lord.

Bate Brothers and J. Merkel & Son exhibited vases of mixed varieties, very fine blooms. G. M. Nauman had a lot of very promising seedlings. H. A. Hart showed a pink sport of Enchantress of unusual size, color

resembling Joost. Carl Hagenburger displayed a fine lot of Princess of Wales violets. Bate Brothers also exhibited a splendid lot of La Reine tulips. The judges were J. S. Wilson, Western Springs, Ill., Adam Graham, Cleveland, O., and E. B. George, Painesville, O. After the judging refreshments were served, and all had a thoroughly enjoyable time. The severity of the weather kept a good many at home, the thermometer registering 10° below zero. Among the visitors were J. S. Wilson, Western Springs, Ill.; D. R. White, Sandusky, O.; Carl Hagenburger and J. and H. Merkel, Mentor, O.; Martin Kohankie and E. B. George, Painesville, O.

The Chicago Carnation Company's shipment of Fiancee carnation blooms for the club meeting failed to arrive on time. The delay was probably due to the railroads, the trains running six to twelve hours late.

BUSINESS CONDITIONS.

Business conditions are not very brisk. Bulbous stock is hard to move at any price. Roses are short crop and prices hold up fairly well. Carnations are moving in a half hearted manner quite enough coming in to supply the demand. Violets are slow. Green goods plentiful and going to waste. St. Valentine's day created a little stir but not enough to make any material difference to the market.

NOTES.

If the board of education acts favorably upon the recommendations of the Home Gardening Association and the executive department of the schools, there will be four more school gardens in the city next year. The experiments in this work last summer were especially successful.

W. L. Smith, formerly of Aurora, Ill., and recently with the Lake View Rose Gardens, Jamestown, N. Y., is now foreman at J. M. Gasser's establishment.

Reports from Hot Springs, Ark., indicate that Edward Graham is progressing favorably. Echo.

Newport, R. I.

Trade in all lines has gathered headway the past week. The florists have had increased sales of cut flowers, as well as a large amount of funeral work. It is still very cold and the streets are full of snow and ice, which puts a stop to anything more than fair immediate business. Carnations have done better at both wholesale and retail, the best Enchantress going to customers at \$1 a dozen, and the growers getting \$4 per hundred. Some very good Bride and Bridesmaid roses are retailing for \$1.50 a dozen.

William B. Scott & Company will make a specialty of assisting the head-gardeners of Newport and vicinity, in obtaining good men for both greenhouse and garden work.

Hass has had a good business this week, in fact stock is getting shorter than the demand. His window display of azaleas is very attractive.

Reed & Keller of New York had a representative here on Thursday last looking after their customers in the supply line.

Brandt reports cut flower trade as very good. He has been offering some very choice La Reine tulips at 50 cents a dozen.

Zeigler has been receiving some fine Cottage Maid and Yellow Prince tulips.

Partner Wanted.

We want you as a partner in our flower business. In fact we consider every customer of ours as a partner. We feel that the better we serve them, the better they will be able to serve their trade; and the more business there will be.

Our business is built on their business; the more they do, the more we shall do.

We grow our flowers with that idea: we sell them at prices and ship them with the promptness that idea requires. In fact our whole business is built on that idea.

Wouldn't it be to your advantage to do business with us?

Weiland & Risch,

Leading Western Growers and Shippers of Cut Flowers.

59 Wabash Ave., CHICAGO.

Telephone Long Distance Central 879.



Japanese Fern Balls

5 in. and 7-9 in. sizes.

Write for prices.

VAUGHAN'S SEED STORE,
64-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Please mention the American Florist when writing.

GALAX LEAVES AND Leucothoe Sprays.

J. G. LOVEN. Montezuma, N. C.

Please mention the American Florist when writing.

WHOLESALE AND RETAIL GREEN GALAX ASSORTED SIZES.

Price and Quality Guaranteed.

When our present stock is exhausted, Green Galax, the kind you want, will be scarce and hard to get. Better mail us your order at once.

C. W. BURLISON & SON, Linville, N. C.

Please mention the American Florist when writing.

National Florists' Board of Trade,

Office: 56 Pine Street, New York.

Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

Please mention the American Florist when writing.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription \$2.70 per Year. Sample Copies Free.

ADMINISTRATION DU JOURNAL DES ROSES

a SUISNES, Brie,

Par Grisy-Suisnes. (Seine et Marne), FRANCE.

HARDY CUT DAGGER AND FANCY FERNS.



We carry the finest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are **DAGGER**, \$1.50 and **FANCY FERNS**, All quality, \$1.50 per 1000. Discount on larger orders. **BRILLIANT BRONZE** and **GREEN GALAX**, \$1.00 per 1000. **Laurel Festooning**, good and full, handmade 50 and 60 per yd. **Green and Sphagnum Moss**, \$1.00 per bbl. **Sphagnum Moss**, 500 per bag; 5 bags, \$2.00. **Ivy Leaves**, \$4.00 per 1000. **Sprengerl**, 250 and 500 per bunch. **Asparagus Plumosus**, 500 per bunch or string. **Leucothoe Sprays**, \$1.00 per 100; \$7.50 per 1000.

We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

HENRY M. ROBINSON & CO., L. D. Phone 2618 Main. 8 and 11 Province St., Boston, Mass.



N. Lecakes & Co.

53 W. 28th St., New York.



Tel. No. 1214
Madison Square
Stands at Cut
Flower Exchange
Coogan Bldg., W.
26th Street & 34th
Street Cut Flower

Market. Specialties: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, 75c per 1000.

FOR SOUTHERN WILD SMILAX

(Where quality is First Consideration)

Writs, Wire or Phone the Introducers,
Caldwell The Woodsman Co., Evergreen, Ala.

New Crop Southern Wild Smilax
now ready in limited quantities.

GEORGE COTSONAS & CO.,



Wholesale and Retail
Dealers in all kinds of
EVERGREENS,
Fancy and Dagger
Ferns, Bronze and
Green Galax.

Phone 1202 Mad. Sq.

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BRANCH, 55 W. 28th St.

THE KERVAN COMPANY,

WHOLESALE DEALERS,

All Decorating Evergreens, Galax,
Leucothoe, Mosses, Etc.

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TO BUY OR SELL

Advertise in THE AMERICAN FLORIST.

HARDY CUT FERNS.

Fancy or Dagger Ferns, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$6.50 per case of 10,000. **Laurel Festooning**, hand-made, full sizes, 40, 50 and 60 per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. **Branch Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



Tel. Office, New Salem, Mass. Millington, Mass.

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"SUPERIOR QUALITY"

BRAND

Wild Smilax

25 pound case.....\$3.00
35 pound case..... 4.00
50 pound case..... 5.00

ALWAYS ON HAND, AND
IN ANY QUANTITY.

NONE BETTER.

E. F. WINTERSON CO.,

45-47-49 Wabash Avenue,
CHICAGO.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

Wholesale Flower Markets

MILWAUKEE, Feb. 15.

Roses, Beauty, long, per doz.	5.00
" " med " "	2.00@ 3.00
" " short " "	1.00
" Liberty	5.00@ 12.00
" Chatsenay	4.00@ 12.00
" Bride, Bridesmaid	3.00@ 10.00
" Meteor, Golden Gate	3.00@ 10.00
" Perle	3.00@ 8.00
Carnations	2.00@ 4.00
Smilax	12.50@ 15.00
Asparagus sprays	2.00@ 3.00
Valley	3.00
Adiantum	1.00@ 1.50
Violets	.50@ 1.00
Callas	12.50@ 15.00
Romans, Paper Whites	2.00@ 3.00
Tulips	3.00@ 4.00
Harrisii	10.00@ 15.00

PITTSBURG, Feb. 15.

Roses, Beauty, specials	6.00@ 80.00
" " extras	40.00@ 50.00
" " No. 1	15.00@ 25.00
" " ordinary	8.00@ 10.00
" Bride, Bridesmaid	3.00@ 15.00
" Meteor	6.00@ 10.00
" Liberties	8.00@ 20.00
" Perle, Chatsenay	3.00@ 8.00
Carnations	1.00@ 5.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@ 15.00
Asparagus, strings	25.00@ 50.00
Asparagus Sprengerii	2.00@ 3.00
Lilies	12.00@ 18.00
Adiantum	1.00@ 1.50
Violets	.30

CINCINNATI, Feb. 15.

Roses, Beauty, per doz.	1.00@ 4.00
" Bride, Bridesmaid	4.00@ 10.00
" Liberty	8.00@ 15.00
" Meteor, Golden Gate	8.00@ 12.00
Carnations	2.00@ 6.00
Lily of the valley	3.00@ 4.00
Asparagus	5.00
Smilax	10.00@ 12.00
Adiantum	1.00@ 1.50
Callas	10.00@ 12.50
Asparagus Plumosus and Sprengerii	to bunches...25c per bunch
Harrisii	15.00
Romans, narcissus	3.00
Violets	.75@ 1.00

St. Louis, Feb. 15.

Roses, Beauty, long stem	4.00@ 8.00
" " medium stem	2.00@ 3.00
" " short stem	.50@ 1.50
" Bride, Bridesmaid	5.00@ 10.00
" Golden Gate	5.00@ 10.00
" Liberty	5.00@ 10.00
" Kaiserin	5.00@ 10.00
" Meteor	5.00@ 10.00
Carnations	1.50@ 4.00
Smilax	15.00
Asparagus Sprengerii	1.50@ 3.00
" Plumosus	25.00@ 0.00
Ferns, fancy	per 1000, 2.00
Adiantum	1.00@ 1.25
Violets, California	.60@ 1.00
" Double	.75@ 1.00
Lily of the valley	3.00@ 4.00
Romans	2.00@ 3.00
Callas	12.50@ 15.00
Paper White narcissus	3.00

CLEVELAND, Feb. 15.

Roses, Beauty, per doz.	1.00@ 6.00
" Bride, Bridesmaid	4.00@ 10.00
" Meteor	4.00@ 10.00
Carnations	2.00@ 8.00
Smilax	10.00@ 15.00
Asparagus, strings	25.00@ 50.00
" Sprengerii	1.00@ 2.00
Galax	1.00@ 1.50
Common ferns	2.00
Violets, single	.50@ 1.00
" double	.75@ 1.00
Paper Whites	3.00@ 4.00
Valley	3.00@ 4.00

TIME IS MONEY

Therefore—Send your orders to **DEAMUD** who will save you both. You can depend on getting the best stock in the market of **Roses, Carnations, Violets, Smilax, Fancy Ferns, Bulbous Stock** and anything which can be had from others.

WILD SMILAX.

Leads them all in quality and quantity. All cases filled to scripture measure. Prices as low as you pay for inferior stock.

J. B. DEAMUD, 51 Wabash Avenue, CHICAGO.

PHONES: Central 3155. Automatic 9822.

Fancy Carnations and Roses.

PITTSBURG'S LARGEST AND OLDEST WHOLESALE,

PITTSBURG CUT FLOWER CO., Ltd.

504 LIBERTY AVE.,

PITTSBURG, PA.

HOLTON & HUNKEL CO.,

Wholesale Cut Flowers

462 Milwaukee Street,

MILWAUKEE, WIS.

FANCY CUT FLOWERS a Specialty.

If you want Choice Cut Flowers at any time or all the time, send to



CHAS. W. McKELLAR,

51 Wabash Avenue,

Chicago.

WESTERN HEADQUARTERS FOR CHOICE

ORCHIDS, FANCY VALLEY, TULIPS and all BULBOUS STOCK, VIOLETS, BEAUTIES, TEA ROSES, and CARNATIONS. Wild Smilax, Asparagus, Adiantum, Smilax, Fancy Ferns always in abundance. Also a complete line of all Florists' Supplies, Novelties and Wire Work.

Long Distance Phone, Central 3598. Automatic 3623.

Peter Weiland,

WHOLESALE FLORIST.

Room 18, 128 E. Third St., CINCINNATI, O.

Headquarters for

American Beauties and all leading varieties of Roses and Carnations.

All flowers sold at prevailing market prices. Orders received and filled at Greenhouses if desired, by addressing

PETER WEILAND, New Castle, Ind.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

38-40 Miami Ave. DETROIT, MICH.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER IN THE WORLD.

Price List.

AMERICAN BEAUTIES—		Per doz.
Extra Select	.....	\$ 6 00
30-inch stems	.....	5.00
24-inch stems	.....	3.00
20-inch stems	.....	2.50
15-inch stems	.....	2.00
12-inch stems	.....	1.50
Short stems	.....	.75@ 1.25

Per 100

LIBERTY	.....	\$3.00 to 15.00
CHATENAY	.....	8.00 to 12.00
MAIDS AND BRIDES	.....	8.00 to 10.00
PERLE	.....	8.00 to 8.00
UNCLE JOHN	.....	6.00 to 12.00
SUNRISE	.....	6.00 to 10.00
CARNATIONS	.....	2.00 to 4.00

All flowers are perfectly fresh and properly packed. No charge for P. & D. on orders over \$5.00.

Please mention the American Florist when writing.

AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

HELLER BROS., New Castle, Ind.
South Park Floral Company

LANSING, MICH.—The greenhouse of Charles E. Holmes was damaged by fire February 3, to the extent of several hundred dollars.

Wietor Brothers, 51 Wabash Avenue, CHICAGO.

WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem.....	\$6.00
30-inch stem.....	5.00
24-inch stem.....	3.00
20-inch stem.....	2.50
16-inch stem.....	2.00
12-inch stem.....	1.50

ROSES.

	Per 100
Bride and Maid.....	\$ 6.00 to \$10.00
Meteor and Gate.....	6.00 to 10.00
Liberty.....	6.00 to 12.00
CARNATIONS—Good stock.....	2.00
“ Large and fancy.....	3.00 to 4.00

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

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76 & 78 Wabash Ave., CHICAGO.

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Growers of **Cut Flowers**

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D. WOOD BRANT,

SUCCESSOR TO BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Choice American Beauty Roses.

Prices reasonable.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists.

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

It is good business policy to mention

The...

AMERICAN FLORIST

When you write to an advertiser.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations

A Specialty....

WHOLESALE
GROWER of

CUT FLOWERS

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of

and
Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

Greenhouses:
Morton Grove, Ill.

35-37
Randolph Street,
CHICAGO.

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GEO. REINBERG,

Wholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

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Flower Growers' Market.

60 Wabash Ave., CHICAGO.

Order your stock where it will be filled with
care and dispatch. The most successful growers
of cut flowers, are those who sell their own stock.
Give us your **standing order.**

PERCY JONES, Manager

Wholesale Flower Markets

CHICAGO, Feb. 16

Roses, Beauty, 30 to 36-in. stems	5.00@ 6.00
" " 20 to 24 " "	3.00@ 4.00
" " 15 to 18 " "	2.00@ 3.00
" " 12 " "	1.50
" Liberty.....	8.00@15.00
" Chatsenay.....	8.00@12.00
" Bride, Bridemaid.....	6.00@10.00
" Meteor, Golden Gate.....	6.00@10.00
Carnations.....	1.50@ 2.50
" fancy.....	3.00@ 4.00
Valley.....	2.00@ 4.00
Violets.....	1.00@ 1.50
Asparagus Plumosus, per string 40 to 60	2.00@ 6.00
" sprays.....	3.00@ 6.00
" Sprenger.....	1.00@ 1.50
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000	1.25
" Green, " "	1.00
Adiantum.....	1.00
Fancy ferns..... per 1000	2.00@ 3.00
Smilax.....	12.00@15.00
Callas.....	1.25@1.50 per doz.
Paper Whites.....	3.00@ 3.50
Romans.....	3.00@ 3.50

A Daily Cut From 40 Growers

We can and will fill your Cut Flower
wants to advantage.

Plenty of **BEAUTIES,**
MAIDS, BRIDES, etc.
CARNATIONS, VIOLETS, etc.
ALL GRADES.

Shipping orders our Specialty. Write, tele-
phone or telegraph.

Long Distances Phone 11:9 Main.

Headquarters for **HARDY PERNS**
and **WILD SMILAX.**

Most Complete Line of

FLORISTS' SUPPLIES
IN THE WEST.

—CATALOGUE FREE.—

E. F. WINTERSON CO.

Established 1894.

45-47-49 Wabash Avenue, CHICAGO.

SINNER BROS.

Wholesale Growers **CUT FLOWERS**
and Shippers of

68 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders
given prompt attention.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of
strictly high-class halftones of
which we can supply electros suitable
for catalogue illustration. If you need
anything in this way, state your re-
quirements and we will submit proofs
of the illustrations in stock.

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

52 and 54 High Street,

CLEVELAND, OHIO.

BOSTON, MASS.

WELCH BROS.

15 Province Street.

All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.

FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

Asparagus Plumosus Nanus Seeds

These are the true variety. 75c per 100; \$6.00 per 1000.

Now is the time to buy KAISERIN and CARNOT, for early summer flowering, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Wholesale Flower Markets

BOSTON, Feb. 15.

Roses, Beauty, best	35.00@60.00
" " medium	30.00@45.00
" " onils	6.00@ 8.00
" " Bride, Bridesmaid	4.00@ 6.00
" " Extra	8.00@12.00
" " Liberty	1.00@ 8.00
Carnations	1.50@ 2.00
" " Fancy	2.00@ 3.00
Lily of the valley	3.00@ 4.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, Feb. 15.

Roses, Tea	8.00@10.00
" " extra	12.00@15.00
" " Liberty	8.00@35.00
" " Queen of Edgely, extra	40.00@60.00
" " firsts	15.00@25.00
" " Beauty, extra	40.00@60.00
" " firsts	15.00@25.00
Carnations	1.50@ 6.00
Lily of the valley	3.00@ 8.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.25@ .40
" " double	.35@ .50
Adiantum	.75@ 1.50
Gardenias	.16@ .20
Mignonette	3.00@ 8.00

BUFFALO, Feb. 15.

Roses, Beauty	10.00@60.00
" " Bride, Bridesmaid, Meteor	2.00@12.00
Carnations	2.00@ 4.00
Harrisii	15.00
Lily of the valley	3.00@ 5.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	5.00
Violets	.50@ 1.25

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS

and Florists' Supplies.

228 Diamond St., PITTSBURG, PA.

Send for weekly price list and prices on large orders..

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

RICE BROTHERS,

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax

Flowers Billed at

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Eine absolute Nothwendigkeit!

Hiermit \$1.00 für mein Abonnement.
Es ist die Pflicht eines Jeden prompt für den „American Florist“ zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumengüchter ist.

Carl Roegner, Alabama.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

PHILADELPHIA CUT FLOWER CO.

Wholesale Commission Florists

CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
FANCY CARNATIONS, TULIPS, DAFFODILS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

PHILADELPHIA, PA.

Advertising Gets Results.

AM. FLORIST Co.:—It gives us pleasure to say that each year we have traced business resulting from our advertisement in the AMERICAN FLORIST, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year.

ALBANY STEAM TRAP COMPANY.

BERGER BROS. WHOLESALE FLORISTS.

Bell and Keystone 'Phones. 1220 Filbert Street, PHILADELPHIA.

Please mention the American Florist when writing.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

THE RELIABLE Commission House,

Jos. S. Fenrich

48 W. 30th St., NEW YORK.

Telephone 325 Madison Sq.

YOUNG & NUGENT42 West 28th Street,
Telephone 2085 Madison Sq. **Wholesale Florists.**

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

J. K. ALLEN,

Wholesale Commission Florist,

106 West 28th Street, NEW YORK.

American Beauties, Orchids, Roses,
Carnations, Violets, and Every Variety of
CUT FLOWERS.

Tel. 187 Madison Square.

Open every day at 5 a. m.

Telephone No. 756 Madison Square.

**MOORE, HENTZ & NASH**

Wholesale Commission Florists,

55 and 57 West 26th St., NEW YORK CITY.

Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 Madison Square.

57 West 28th Street, NEW YORK CITY.

JOHN YOUNG,Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all Seasonable Flowers.

51 West 28th St., NEW YORK.

Telephone 1905 Madison Square.

Original Pioneer House—Established 1871.

JAMES HART

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Wholesale and CommissionConsignments solicited. Shipping orders
promptly attended to. Phone 625 Madison.**THOMAS YOUNG, Jr.****WHOLESALE FLORIST.****CHOICEST CUT FLOWERS.**

43 W. 28th St., NEW YORK CITY.

—FLOWERS SHIPPED BY—

John I. Raynor,Are the best product of the best growers
for the New York Market.

ADIANTUM CROWEANUM sold here exclusively.

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Tel. 1998 Madison Square.

Walter F. Sheridan,**WHOLESALE FLORIST,**

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.**Wholesale Flower Markets**

NEW YORK, Feb. 15.

Roses, Beauty, best.....	15.00@60.00
" " medium.....	3.00@15.00
" " culls.....	1.00@2.00
" Liberty, best.....	10.00@50.00
" " medium.....	3.00@10.00
" " culls.....	2.00@3.00
" Bride, Bridsemaid, G. Gate.....	2.00@15.00
" Kaiserin, Carnot.....	1.50@10.00
Carnations.....	1.00@3.00
" fancy and novelties.....	3.00@6.00
Lily of the valley.....	1.00@3.00
Lilies.....	6.00@10.00
Smilax.....	5.00@10.00
Adiantum.....	10@50
Asparagus.....	20.00@50.00
Gardenias.....	2.00@10.00
Violets.....	.25@.75

Charles Millang**WHOLESALE FLORIST.**Conservatory connected from which I can ship
ferns and decorative plants promptly.

50 W. 29th St. NEW YORK.

Tel. 3880 and 3861 Madison Square.

Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
Consignments Solicited.**A. L. YOUNG & CO., Wholesale**54 West 28th Street,
Telephone 3559 Madison Sq. NEW YORK.**FORD BROS.**

Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.

Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang

53 West 30th Street, NEW YORK.

COMMISSION DEALER in FLOWERS

TELEPHONE 280 MADISON SQUARE.

The Only House Handling the **Victory****NEW RED CARNATION**

To be Disseminated 1906. Also a Complete

Line of **Choicest Flowers.****ALEX. J. GUTTMAN, WHOLESALE****FLORIST,**

52 West 28th Street, NEW YORK.

Telephones: 1661-1665 Madison Square.

N. Y. CUT FLOWER EXCHANGE

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6
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Specialty.
CONSIGNMENTS SOLICITED.**Prompt Payments. Established 1891.****Alfred H. Langjahr, 55 W. 28th St.**
New York.

Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices:

NEW YORK.

Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

THOS. YOUNG, JR.
43 W. 28th St., NEW YORK CITY.

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SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

83 Post Street, SAN FRANCISCO, CAL.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IND.
Please mention the American Florist when writing.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873. L. Dist. Phone Lindell 196 M.

DENVER.

The Park
Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

MILWAUKEE.

C. C. Pollworth Co.
MILWAUKEE, WIS.

Will take proper care of your orders in

WISCONSIN.

CHICAGO.

Established 1857.

The Geo. Wittbold Co.

1657 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

Palmer's

BUFFALO,
N. Y.

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. ***

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Good Shipping Facilities to all Michigan Points.

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Wholesale and Retail Florist,

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\$2.00 per hundred, in any quantity.

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Cut Flowers, Floral Designs, Decorations.

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For Horticulturists and Orchid Growers.

EDITED AT PARIS BY

Lucien Chauré and Otto Ballif.

The representative Gardening Paper of French Florists, Seedsmen and Nurserymen. Sample copies free. The largest circulation in France, Belgium, Italy and Switzerland. Twice every month. Subscription per year: With the colored plates, \$2.30; without the colored plates, \$1.20.

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Fancy White Lilac \$1.25 per Dozen

Fancy Lily of the Valley, \$3.00 and \$4.00 per 100.

Tulips, \$3.00 per 100. Hudson River Violets.

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Daffodils and Jonquils, \$1.00 per 100.

Carnations A fine assortment of extra well grown stock and many fancy varieties. **Roses** Extra fine, especially in Bride and Bridesmaid.

A FULL LINE OF CUT FLOWERS

If you do not receive our Price List we should like to mail it to you.

A. L. RANDALL CO. CHICAGO. 19 Randolph St.,

DREER'S SPECIAL OFFER OF FORCING PLANTS FOR EASTER.

Azalea Madame Van der Cruyssen.

As we are not handling Azaleas for Easter this season we offer a fine lot of this most valuable variety in fine bushy, well budded plants to close out quickly.

Per Doz.	100	Each
10 to 12-inch crowns.....	\$4.50 \$35.00	16 to 18-inch crowns..... \$1.00
12 to 14-inch crowns.....	6.00 45.00	18 to 20-inch crowns..... 2.00
14 to 16-inch crowns.....	7.50 55.00	20 to 22-inch crowns..... 3.00

Outside of the above we have nothing left in Azaleas except a limited lot of mixed varieties in 10 to 12-inch crowns at \$4.50 per dozen; \$35.00 per 100.

NOTE.—The above prices are practically the same as those at which we book import orders, they are made low to move the plants at once, the stock is of good quality, but is limited; speak quickly if you want them.

Azalea Mollis.

An unusually fine lot of well-budded plants 15 to 18 inches high. A plant that is rapidly gaining favor for early and late forcing; it is profitable stock for the retailer to handle, as it can be grown at a minimum cost for heat and labor. \$1.50 per dozen; \$35.00 per 100.

Deutzias, FOR FORCING,

Strong, shapely, 2-year-old field-grown plants, suitable for 6-inch pots.
Gracilis Rosea \$1.00 per dozen; \$8.00 per 100
Gracilis Lemoinei, \$1.00 per dozen; \$8.00 per 100.

Forcing Rhododendrons.

For a late Easter will fill a vacancy where Azaleas cannot be retarded; they are becoming more popular every season; you will find it profitable to try these. We are carrying an extra large stock of bushy, well-shaped plants, covered with buds, 16 to 18 inches high, \$9.00 per dozen; \$70.00 per 100. 20 to 24 inches high, fine specimens, \$11.00 per dozen; \$90.00 per 100.

The Baby Rambler Rose

MME. NORBERT LEVAVASSEUR.

The most valuable bedding rose yet introduced. A plant which will be in strong demand for a long time. We offer good plants suitable to use for stock plants, one-year field-grown, suitable for 4-inch pots, \$5.00 per dozen; \$35.00 per 100.

Primula Veris Superba.

An excellent plant for forcing for early spring that meets with ready sales, strong plants 75 cents per dozen; \$6.00 per 100.



DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds, Plants, Bulbs, etc., is mailed to all Florists. If you do not have it at hand please advise us and a copy will be sent at once.

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Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

HIGH-GRADE SOUTHERN WILD SMILAX.

And Florists' Hardy Decorative Supplies. Prices Right.

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—WRITE, WIRE OR PHONE.—

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The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

WHAT about vine seed prices?

SWEET PEAS in the cheaper mixtures are scarce.

CARTHAGE, MO.—Newell Mix opened a seed store February 10.

NOTT'S EXCELSIOR and Gradues peas are plentiful so far this season.

MAIL trade in the west has been very slow the first ten days of February.

ONION SET prices run about as follows: White, \$3; yellow, \$2.40; red, \$2.50.

THE pea growers returning from the canners' convention report light business, also sales of sweet corn.

AVON, N. Y.—If this village will exempt the Cleveland Seed Company from village taxes for ten years, the Cape Vincent plant will be moved here.

TOLEDO, O.—J. L. Schiller, formerly with Henry A. Dreer, of Philadelphia, Pa., is now with the Henry Phillips Seed & Implement Company, of this city.

COTTON PLANTERS in many southern states are pledging themselves to reduce their cotton acreage twenty-five per cent and devote reduction to other crops.

THE return of the Japanese bulb men a month later than usual this year may presage a slight advance in prices owing to the scarcity of labor caused by the war.

PHILADELPHIA, PA.—W. Atlee Burpee and wife have returned from a four weeks' trip in Mexico. Mr. Burpee secured several novelties in the way of canes and both enjoyed the trip very much.

VISITED CHICAGO: F. H. Henry and Robert Fulton, of Henry & Lee, New York. Mr. Henry's wife accompanied him, and Mr. Fulton is on his way east from Japan; Trimble McCullough, son of J. Charles McCullough, Cincinnati, O.; J. A. Robinson, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.

Royal Dutch Bulb Growers' Society.

The seventh annual quinquennial bulb show of the Royal Dutch Bulb Growers' Society will be held at Haarlem, Holland, March 17-21. This exhibition, the jurors of which are chosen from the most renowned horticulturists of England, France, Germany and Holland,

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

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Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.



Jos. W. Bailey, of Texas.



Henry Cabot Lodge, of Massachusetts.

SENATORS OPPOSED TO GOVERNMENT FREE SEEDS.

promises to be of keen interest, especially to bulb growers, and affords a good opportunity to note the progress made by the Dutch growers in this important branch of horticulture. For further particulars apply to Secretary Johs. De Breuk, Jansstraat 55, Haarlem, Holland.

Breeding Disease Resistant Plants.

In a paper by W. A. Orton, plant pathologist of the United States Department of Agriculture, presented at the second meeting of the American Breeders' Association, Champaign, Ill., February 1-3, 1905, we find the following on breeding disease-resisting plants, which will be suggestive to seed growers:

"It has been found that to secure disease-resistance requires only the application of the well established laws of plant breeding as laid down by our best authorities, and that we need to work along lines similar to those followed to secure flavor, size or productivity. The first effort should be through selection, but if the varieties desired do not exist they must be brought out by hybridization and fixed by careful attention during a series of years. The individual should always be the unit, and careful attention should be given to the transmission of the characters, since some plants, though resistant themselves, fail to produce resistant progeny, while others do so completely.

"Watermelons in the south are very subject to wilt, and commercial crops are rarely grown more than once in the same land. Resistance was in this case difficult to secure by selection, as thoroughly resistant plants could not be found. The stock-melon or citron is resistant, and by hybridization with the Eden melon a resistant variety has been nearly fixed, which will combine the hardness of the stock-melon with the delicate flavor of the watermelon. A good crop was grown this year on land where the ordinary melon could not be kept alive."

Free Seeds and Chicken Feed.

A somewhat caustic but quite judicious friend observes that the government free seeds properly selected and combined make excellent chicken feed. We have no doubt of it. But why should the government show such partiality for the poultry business? Why not also let us have free hay and oats for our horses and free gasoline for our automobiles? If we are going to have a paternal government of that sort ought not papa treat all the boys alike?—New York Times.

SALEM, MASS.—The conservatory of McGee, Geary & Company was damaged by fire on the night of February 4. The store is located in Mechanics' Hall, in which is also located a leading vaudeville theatre.

Bermuda Onion Seed

Orders for the above should be sent as early
as possible to

PETER S. REID, Port Orotava, Teneriffe.

TELEGRAPHIC ADDRESS: Reid Puerto Cruz.
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Who is much the oldest shipper and guarantees all his seed to be of the season's crop. The supply being limited and the demand rapidly increasing orders will be executed in the order in which they arrive and those coming late have little chance of being filled. All orders must be accompanied by Bankers' reference or remittance.

Northern Star Potato.

Having grown several acres of this wonderful Potato last season, when it sold at \$1000.00 a ton, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs. net, F. O. B. Southampton, \$3.00 per case.

Brinkworth & Sons, Ltd.

Potato Growers and Experts,

SOUTHAMPTON, ENG.

30 BULBS

Tuberous Begonias

For \$1.00 Postpaid.

See last week's issue for prices by the 100.

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GARDEN PEAS and BEANS

For the Wholesale Trade.

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Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
CLARINDA, IOWA.

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ASPARAGUS PLUMOSUS NANUS SEED.

Present season crop. 250,000 at \$2.25 per 1000 in quantities to suit. Early orders solicited. Delivery in February.

Rees & Compere,

LONG BEACH, CAL., R. F. D. No. 1.

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NEW KATE LOCK.

Been grown 48 ins. high. Finest aster in existence. Blooms 5 to 6 ins. in diameter; full centers; stems 35 to 43 inches. Shown in all largest exhibitions in Canada, taking everything before it. Colors: White, Daybreak and mixed; \$2.00 per 1000 seeds. No agents.

Originator, **J. H. LOCK,**

41 Manchester Avenue, TORONTO, ONT.

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Van Zanten Brothers,

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HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of **HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc.** We further ask your attention to our superior quality and special prices of **FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC.** Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

AT ST. LOUIS A GRAND PRIZE WAS AWARDED ON VEGETABLES, THE PRODUCTS OF BURPEE'S SEEDS!

If you garden you want THE BEST,—and we shall be pleased to mail you BURPEE'S FARM ANNUAL FOR 1905, an elegant new book of 178 pages, which tells the plain truth with hundreds of illustrations, beautiful colored plates, and describes superb novelties of unusual merit.

If you garden for profit or are a florist you should also have Burpee's "BLUE LIST" or Wholesale Price-List for Market Gardeners and Florists.

Write TO-DAY! A postal card will do, while it is sufficient to address simply BURPEE, PHILADELPHIA.

W. ATLEE BURPEE & CO., The World's Largest Mail Order Seed Trade

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Mangel Wurzel and Sugar Beet Seeds A SPECIALTY.



We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

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FOR

ONION SETS.

Flower Seeds and Bulbs

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WHOLESALE SEED GROWERS

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. **Beans, Peas and Garden Seeds.** WRITE FOR PRICES.

CHICAGO.

Lawn Grass Seed in bulk and packages



Special Prices to dealers.

GOLF MIXTURES.

THE ALBERT DICKINSON CO.

Minneapolis.

Chicago.

MOLLER'S

Deutsche Gartner Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

LUDVIG MOLLER, Erfurt, Germany.

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The Nursery Trade

AMERICAN ASSOCIATION OF NURSEYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

MILWAUKEE, WIS.—August Rhotert, of New York, was a visitor this week, leaving for northern points.

PAW PAW, MICH.—The Michigan State Horticultural Society will hold its midwinter session here, February 23 and 24.

FORT DODGE, IA.—A tract of 68 acres of land has been donated to this city by Hon. O. M. Oleson, to be used for park purposes.

AUGUST RHOTERT, of New York, who has been calling on his customers the past three weeks, reports the trip so far very satisfactory.

LA CROSSE, WIS.—The citizens of Baraboo wish to establish a park at Devil's Lake. A bill is now before the legislature to that effect.

CROOKSTON, MINN.—The convention of the Red River Valley dairymen, poultrymen and horticulturists occurred at this place, February 2 to 4.

A SECTION of the biggest cherry tree on the Pacific Coast will be a feature of the Sacramento, Cal., exhibit at the Lewis and Clark Centennial. The tree was planted in 1850, and was three feet in diameter when cut down a few days ago.

SAN FRANCISCO, CAL.—Horticultural Commissioner Cooper of this state, recently imported from southern Europe 1,200 specimens of parasites which are known to prey upon the codling moth. The specimens will be used for breeding.

MADISON, WIS.—The meeting of the State Horticultural Society February 6 to 7 was attended by 200 horticulturists. President Loop, of Eureka, and Secretary F. E. Granfield of Madison, read their annual reports. The trial orchards established by the society, and also the fruit exhibit at the St. Louis fair were discussed.

DURANT, I. T.—The Durant Nursery Company has been organized here with a capital stock of \$25,000. The officers are as follows: President, C. C. Mayhew; vice-president, A. Frank Ross; secretary and general manager, W. R. Collins; treasurer, E. F. Rines. The directors are C. C. Mayhew, W. R. Collins, E. F. Rines, A. Frank Ross, James L. Shuler and Edward Rines. The new company has made application for incorporation and absorbs the nursery and interests of the Texas Nursery Company, of this place. Nearly 100 acres will be covered by the nursery.

Literature of Outdoors.

How country life is attracting a greater number of Americans every year is shown in no clearer way than by the increase in periodicals devoted to its various phases. As to books on topics of this kind, each season brings

them in greater numbers, until it seems as if the whole population must be interested in the country to the extent of buying books and periodicals on the subject. The easterner is told by one writer how to build a log cabin, and by another how to run a duck farm on a pond. Mountain cottages, lake cottages, forest cottages, are described in a manner that makes the reader long to abandon the steam-heated flat for a breezy country home with chinks between the logs and holes in the roof. —Portland Oregonian.

Texas Umbrella Tree.

The Texas umbrella tree (*Melia Azedarach umbrauliformis*) is a sub-variety of the Chinaberry tree, *Pride of India*, etc., and probably originated in Texas. Its branches are erect and in a manner radiate from the trunk, and with its drooping foliage the tree strikingly resembles a gigantic umbrella. It grows very rapidly and its bright green



Texas Umbrella Tree.

(At P. J. Berckmans Company's, Augusta, Ga.)

tinted foliage, which is retained until late in autumn, and lilac colored, fragrant flowers which are borne in great profusion and followed by yellow berries, make this tree very valuable and desirable for the south. It will stand a low temperature, but a cold of below zero will injure it to some extent.

Baltimore.

More snow, more hail, more sleet! This is the record. Streets are filled with ice and slush, carriages and trolley cars are obstructed; pedestrians find locomotion difficult and dangerous. Shopping is done by strategy, between the varying phases of weather, bad, worse or worst. Naturally, social festivities are not indulged in to the extent the growers and store people would like to see, it being often problematic how to reach the scene if invitations are accepted. A good many minor events, all calling for some decorations, are occurring, but there were no great functions during the week. The funeral demand continues about as usual, there having been no heavy extra calls lately in that direction. Most cut flowers are over-abundant for the needs of the market, certainly carnations and

violets have been. Good roses continue scarce, American Beauty being still noticeably short in quantity and poor in quality. The climatic conditions are against the street men, and that outlet is closed.

The Florists' Exchange, notwithstanding the untoward conditions achieved a record January business this year, the increase being a very neat percentage over previous years. Work was done at some disadvantage there for some days. John J. Perry, the manager, was compelled to do jury duty for a week or two and was then kept at home caring for his son who broke both bones in one of his arms in a coasting accident. The staff, however, kept things in good shape until the normal situation was resumed.

John Eberhard, 525 N. Howard street, recently lost his wagon as well as the load of plants it contained in transit to his store from his greenhouses by a coal oil stove which had been put in to guard against frost, taking fire.

S. B.

Montreal.

The week just ended was one of the busiest and most profitable that the Montreal florists have had for a long while. The vice-regal party was in town, and the elite of Montreal did themselves grand in entertaining the governor-general and his charming wife. Flowers were used extensively at all the functions, both private and public. The two principal public functions were the civic reception and the reception at the board of trade. Both buildings were elaborately decorated for the occasion, the first by the city gardeners, the material used being the product of the corporation greenhouses, consequently not calling for any direct outlay for floral decorations from the city treasurer, but actually costing the citizens more than if a gilt-edge decorator were imported from New York with instructions to bring his material with him.

George Robinson, the popular president of the C. H. A., is receiving congratulations on his election as a municipal councillor in Outremont. Mr. Judge, another florist, has been elected councillor in St. Paul, which makes three of the craft enjoying municipal honors, J. McKenna being a councillor in his suburb for several years.

The Gardeners' and Florists' Club is making arrangements for the carnation show which will be held during the third week of February. Several trophies are to be awarded, as well as certificates. LUCK.

MANCHESTER, IA.—C. L. Adams will erect a new greenhouse in June, connecting it with another house now in use. A boiler house will also be added.

Vinca Major Variegata.

We have several hundred of this excellent vine, last year's field clumps, full of ends, from 3 inch pots, \$5.00 per 100.

Our 1905 Wholesale Catalogue of Chrysanthemums

and other Tender and Hardy Plants has been mailed. If not received, drop us a postal. It contains many bargains.

NATHAN SMITH & SON, Adrian, Mich.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

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Mt. Hope Nurseries, Rochester, N. Y.

Drawer 1044 Y

Established 65 Years.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Jacs Smits, Ltd. NAARDEN, (Holland.)
(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.

August Haerens' Nurseries,

SOMERCEM, GHENT, BELGIUM.

Furnish PALMS, ARAUCARIAS, BAY TREES, FIGUS and other decorative plants for 1905, spring delivery. AZALEAS for fall delivery. Prime quality; careful packing. Trade list sent by the American Agents.

August Rölker & Sons
31 Barclay St., P. O. Box 752, NEW YORK.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.
WILL B. MUNSON, Denison, Tex.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$1.00 per 100 \$5.00 per 1000. 2 1/2 to 3 1/2 feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100 \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR EASTER FORCING

	Each	Doz.	100		Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	\$.15	\$ 1.50	\$12 00	GRUSS au TEPLITZ, strong, 2-year old.....	2.00	15.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots ....	.40	3 50	25.00	MAMAN COCHET, strong, 2-year old.....	2.00	15.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00	HERMOSA, strong, 2-year old....	2.25	16 00
RHODODENDRONS, for forcing, bushy plants, 8 to 12 buds.....	1.00	11 00		CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
For forcing, large plants, 15 to 25 buds.....	2 00	20.00		AMERICAN BEAUTY.....	2.00	15 00
HYDRANGEAS, Otsksa, Red Branched, Thos. Hogg Dormant, 2-yr. old, pot-grown, for forcing.....	5 00	35.00		KAISERIN AUG. VICTORIA.....	2.50	20 00
CRIMSON RAMBLERS, strong, 2-year old.....	2.00	15.00		PAUL NEYRON.....	2.50	20.00
Strong, 3-year old.....	2 50	18.00		LA FRANCE.....	2.00	15.00
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00		Anna de Diesbach, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, John Hopper, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ullrich Brunner, Etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS JAPONICUS, 1 year, 6 to 8 inches.....	2.00	18.00
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.

Forcing Stock for Easter.

AZALEA MOLLIS full of buds, nice even heads, force easily, 12-15 in. high, \$30.00 per 100; 15-18 in. high \$40.00 per 100.

DEUTZIA GRACILIS, grown especially for pot culture; very bushy; 12-15 in. high, for 6-in. pots, \$8.00 per 100; 15-18 in. high, for 7 in. or 8-in. pots \$8.00 per 100.

DEUTZIA LEMOINEI—Similar to Graoillis, but stronger grower, 15-18 in. high, for 6-in.

pots, \$8.00 per 100; 18-24 in. high, for 7 or 8-in. pots, \$10.00 per 100.

RHODODENDRONS—Best named Hybrids, bushy and full of buds, 20 in. high, \$9.00 per dozen; 24 in. high, \$12.00 per dozen; 30-32 in. high (heavy) \$24.00 per dozen.

SPIRAEA JAPONICA, \$3.00 per 100.

SPIRAEA NANA COMPACTA, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Surplus Tree Seeds.

500 lbs. Catalpa Speciosa.

500 lbs Black Locust.

Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

FOREST NURSERY AND SEED CO.,
IRVING COLLEGE, Warren Co., TENN.

Please mention the American Florist when writing.



Send to

THE MOON
Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.

RIVER VIEW NURSERIES,
J. H. O'HAGAN. LITTLE SILVER, N. J.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

See You Later.

Said the florist: "I suppose it will surprise you to know that a florist has unusual experiences just like a drug store or the trouble clerk in a telephone office. One day a man staggered into my store, and it was plain from his manner and walk that he was intoxicated. He had a silly grin on his face and asked to see some designs suitable for his wife's grave. I showed him some varieties and he finally selected a pillow. 'Shall I put anything on it? Any letters?' I asked. He hesitated for a moment and then said thickly:

"Yesh; put S. Y. L. on it."
"Are those the initials of your wife?" I asked.
"No."
"Are they your initials?"
"No."
"Then what in the nation do you want S. Y. L. on that pillow for?" I asked.
"Shay, I'm payin' for thish. You put S. Y. L. on it and let it go at that."
"After I had wrapped up the design, with its S. Y. L. on it, I asked him as a special favor to tell me why he wanted those letters on the pillow, when they were not his wife's or his. As he went out the door he said, somewhat shamefacedly:
"See you later."

—Boston Traveler.

At Boston.

W. W. Rawson & Company took two out of three games from Jos. Breck & Son in the Seed Trade bowling league Monday, February 6. There remains but one more match game, that between R. & J. Farquhar and Schlegel & Fottler Company. This promises to be the most exciting game of the series as both teams are tied respectively for first and third places. All arrangements have been made for the banquet which is to be held February 21 and which winds up the bowling season. The scores of the Rawson-Breck games follow:

JOSEPH BRECK & SON.			
Player.	1st	2d	3d
Gleason	67	57	59
Webber	87	66	75
Riley	70	79	75
Armstrong	78	84	77
Enholm	83	72	76

W. W. RAWSON & CO.			
Player.	1st	2d	3d
Taylor	71	75	66
Chenery	70	77	82
Rose	76	77	70
Field	86	77	76
Perry	69	72	78

Totals 372 378 372
John P. A. Guerineau, the well known traveling representative for Schlegel & Fottler Company, is holding his own in the race for honors in the league. Mr. Guerineau is now third in individual averages, and but for being ill during December would no doubt be heading the list. During his recent trip to Newport many of the gardeners there thought they would arrange a bowling match and put their best bowlers in and give him a beating, but to the surprise of all, Mr. Guerineau took them

all into camp and gave them a good drubbing. He has been with Schlegel & Fottler Company for the past four years, and his ever increasing popularity is due to hard work and the careful attention he pays his many friends.

Polar Bear Hardy in New York.

L. W. Wheeler, of Vaughan's Seed Store, New York, who mails clipping regarding Polar bear frozen to death in Chicago, says, "The Polar bear is considered hardy here."

Smely Footed the Bill.

J. M. Smely, the Aurora, Ill., florist, is telling a good story on himself. Some time ago, Mr. Smely rigged his errand boy out with a brand new uniform, brass buttons, and a cap, with the word "Smely" in gilt letters inscribed just above the visor. Always up-to-date, Mr. Smely thought it would be a good plan to have the boy's picture taken in the uniform, have a cut made and use it for advertising



John P. A. Guerineau.
(Of the Boston Seed Trade Bowling League.)

purposes. Consequently he told the lad to go down to the photographer's and have his picture taken and when the proofs were finished to bring them to him. Several days passed, and, when the florist thought the proofs were about ready, told the boy to get them. The lad got the proofs. Smely thought he had taken a very good picture, but the uniform nor word "Smely" did not show. The boy had gone home, changed his uniform for his best suit of clothes, and sat for his picture at Mr. Smely's expense. Smely was up against it, and had to foot the bill.

Louisville.

The past week was up to expectations, there being two or three very good days, some having to do night work. The weather has moderated a great deal. Roses continue to be about the same, medium quality. The demand is fair, and the supply about adequate. Carnations are of good quality and the demand very satisfactory. Violets have been very heavily demanded, but there is not much trouble in securing them in adequate quantities. Lily of the valley is not quite so plentiful as last week, although the supply is adequate. Bulbous stock can be had in nice quantities.

The regular monthly meeting of the Kentucky Society of Florists was held

Tuesday night, February 7, at the residence of Joseph Wettle, with a fair attendance. It was decided to designate Tuesday, March 7, "carnation and rose night," in connection with the regular meeting. The preliminary premium list for the next November show has been ordered printed. A meeting was ordered to be held at some of the alleys to conclude arrangements for the bowling club. C. H. Kunzman had a very good sport of Enchantress on exhibition, which was greatly admired. After the meeting a good time was shown us in the dining-room by Mr. and Mrs. Wettle.

Coenen & Bohrmann's place is in good condition. They still had a good lot of good narcissus coming on. They were also well stocked with freesias.

Visitor: B. Eschner, of M. Rice & Co., Philadelphia, Pa. F. L. S.

Boston.

THE MARKET.

The market the past week has been very intermittent, due principally to the changeable and stormy weather. Prices have remained about the same. There is a prevailing shortness in roses, especially in the red and pink varieties and there is a good demand for American Beauty. Bulb stock has fallen off in price the past week, jonquils in particular being very plentiful. The market for violets continues very druggy. The supply of carnations is increasing and the market for them is not quite as strong as last week.

Welch Brothers report the receipt of a large supply of gardenias the past week, which they have been very successful in disposing of.

W. A. Temple, of Westboro, has had on exhibition at Welch Brothers, a seedling carnation of a dark pink color which is a great keeper. It is as fresh today as when put in the case ten days ago.

The Park Street Flower Market dealers report that on Saturday, February 11, they had the best business of the present year, every flower in the place being cleaned out, even to the daffodils, which are usually the last to sell.

Thomas F. Galvin sent thirty-seven pieces to the funeral of the Hon. Joseph H. Manley at Augusta, Me. Two men were sent to care for them.

Maurice B. Gomperts, otherwise known as "Moss the Florist," has opened a new store at 160 Tremont street, where he will conduct a retail business.

Hambro & Solomon are to open a flower stall in the grocery department of Houghton & Dutton's department store.

Edward MacMulkin has had a very effective window display the past week. The general color scheme was yellow, being made up of daffodils, jonquils, tulips, Dorothy Whitney carnations, orchids, roses, etc.

H. P. S.

Indispensable and Refreshing.

AMERICAN FLORIST CO.:—Please find enclosed \$1 for the AMERICAN FLORIST for another year. It reminds me of the old-fashioned New England Saturday night bath, quite indispensable and very refreshing to the receiver each week.

C. W. SIBLEY.

ROSES

ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay.....	4.00	30.00
Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00

	Per 100	Per 1000
Liberty.....	\$ 5.00	\$15.00
La Detroit.....	6.00	50.00
Uncle John.....	4.00	35.00
Kaiserin.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory.....	3.00	25.00
Perle.....	3.00	25.00

CARNATIONS

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise.....	1.00	9.00
Peru.....	1.00	9.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00

PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Enchantress.....	3.00	25.00
Lawson.....	1.50	12.50
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Highbornham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

THE BEST WHITE CARNATION IS

Lieut. Peary (WARD)

CERTIFICATED 90 POINTS.

PEDICREE—White seedlings for several generations. **COLOR**—Snow white. **FRAGRANCE**—Very strong clove, decidedly fresh, and pleasing. **SIZE**—Large, averaging 3 inches in diameter on strong stiff stems, 18 to 20 inches in length. **FLOWER**—Full, broad petaled and high center and of a fine symmetrical form. **CALYX**—Long, strong and does not burst. Fine keeper and excellent shipper. **HABIT**—Strong and erect. **CRASS**—Medium width. **CONSTITUTION**—Very vigorous and free from disease. Cuttings root rapidly and will be sent out in the most perfect condition. Commences blooming October 15th and flowers continuously throughout the Winter, affording an abundant crop. A first-class commercial variety in every respect. Now booking orders.

Price, \$12.00 per 100; \$100.00 per 1000.

COTTAGE GARDENS CO., Queens, N. Y.
Incorporated.

ALSO THE FOLLOWING
NOW READY:

3,000 ETHEL WARD.....	\$7.00 per 100.
2,000 THE PRESIDENT.....	\$60.00 per 1000.
2,000 WHITE LAWSON.....	
5,000 ENCHANTRESS.....	\$1.00 per 100;
2,000 CHRISTMAS EVE.....	\$30.00 per 1000.
2,000 GOLDEN EAGLE, \$5.00 per 100.	\$10 per 1000.
1,000 HARRY FENN.....	\$3.00 per 100;
5,000 LAWSON.....	\$25.00 per 1000.
2,000 PROSPERITY, \$2.00 per 100;	\$15.00 per 1000.
3,000 MACKINAC.....	
2,000 THE BELLE.....	
2,000 LADY BOUNTIFUL.....	
3,000 JUDGE HINSDALE.....	\$6.00 per 100.
2,000 MRS. PATTEN.....	\$50.00 per 1000.
2,000 NELSON FISHER.....	
2,000 OCTOON.....	
2,000 FLAMINGO.....	

50 of a kind at 100 rate; 250 of a kind at 1000 rate.

Carnation Cuttings

Thoroughly Rooted.

	Per 100	Per 1000
Gov. Wolcott.....	\$3.00	\$25.00
Boston Market.....	3.00	25.00
Enchantress.....	3.00	25.00
Mrs. Lawson.....	3.00	25.00
Prosperity.....	3.00	25.00

NOTE—We don't quote ridiculously low prices. We simply state that we ship you the best cuttings at the least possible prices.

Weiland & Risch,

Leading Western Wholesale Growers and
Shippers of Cut Flowers.

59 Wabash Ave., Chicago.

My Maryland

Was the Sensation of the Chicago
Exhibition. Easily Out Ranks any
Other White.

Awarded first-class Certificate of Merit by the
American Carnation Society. Lawson Bronze
Medal for 100 blooms and S. A. F. Bronze Medal
for 50 blooms. We predict that this variety will
easily displace any other white.

We are booking orders now for delivery January
1906. Price, \$2.50 per dozen; \$12.00 per 100;
\$100.00 per 1000. Write us for other new and
standard varieties.

H. WEBER & SONS, Oakland, Md.

THE NEW ROSE

Wellesley

Is a Welcome Addition to the List of FORCING ROSES.

Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

PRICES:			
Own Root.		Grafted.	
\$ 25.....	per 100	\$ 30.....	per 100
\$ 55.....	per 250	\$ 70.....	per 250
\$100.....	per 500	\$130.....	per 500
\$200.....	per 1000	\$250.....	per 1000

**WABAN ROSE CONSERVATORIES,
NATICK, MASS.**

JOHN N. MAY, - - - Summit, N. J.

Please mention the American Florist when writing.

60,000

Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100
BRIDE.....	\$10.00
BRIDESMAID.....	10.00
LA DETROIT.....	12.00
GEN. MacARTHUR.....	12.00
LIBERTY.....	12.00

ROOTED CUTTINGS.

READY NOW.

	Per 100
BRIDE, BRIDESMAID.....	\$1.50
CHATENAY.....	1.50
LIBERTY.....	2.50
PERLE.....	2.50

CARNATIONS.

	Per 1000
GOV. WOLCOTT.....	\$12.50
WHITE CLOUD.....	12.50
NORWAY.....	12.50
LAWSON.....	12.50
MORNING GLORY.....	12.50
JOOST.....	12.50
ENCHANTRESS.....	25.00
FLAMINGO.....	50.00
CRUSADER.....	40.00
ESTELLE.....	25.00
AMERICA.....	12.50
CRANE.....	12.50
PROSPERITY.....	12.50
GAITY.....	15.00

ALL PLANTS SHIPPED FROM HINSDALE.

Bassett & Washburn,
Store: 76 Wabash Ave., CHICAGO.
Greenhouses: HINSDALE, ILL.

Rooted
Carnation
Cuttings.

PINK	Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00
WHITE		
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00
Marion.....	2.00	15.00
RED		
Flamingo.....	6.00	
Crusader.....	6.00	
Crane.....	2.00	15.00
Mrs. Patten.....	6.00	
Prosperity.....	2.50	20.00
Harlowarden.....	3.00	25.00

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.
1217 Arch St., PHILADELPHIA, PA.

Carnations

Rooted Cuttings
Ready Now

except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000		Per 100	1000
Albatross, white.....	\$5.00	\$40.00	Harlowarden, crimson.....	\$2.50	\$20.00
America, red.....	1.75	15.00	Indianapolis, pink.....	5.00	40.00
Boston Market, white.....	3.00	25.00	Morning Glory, light pink.....	2.00	18.00
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, pink.....	3.00	25.00
Crista, new scarlet.....	12.00	100.00	Mrs. Joost, pink.....	1.75	15.00
Crusader, red.....	5.00	40.00	Mrs. Patten, variegated.....	6.00	50.00
Dahelm, crimson.....	6.00	50.00	Nelson Fisher, deep pink.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00	Prosperity, tawny.....	3.00	25.00
Eclipse, burner's pink.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Enchantress, light pink.....	4.00	30.00	Red Lawson, new red.....	10.00	75.00
Estelle, scarlet.....	3.00	25.00	Richmond Gem, new scarlet.....	10.00	75.00
Flancee, new (Mar. 1).....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	The Marquis, pink.....	1.75	15.00
Flora Hill, white.....	1.75	15.00	Vesper, white.....	5.00	40.00
Genevieve Lord, light pink.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
G. H. Crane, scarlet.....	2.50	20.00	White Cloud, white.....	1.75	15.00
Gov. Wolcott, white.....	2.50	20.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

\$10 per 100
\$40 per 500
\$75 per 1000

Red Lawson will Bloom

3 to 1 against any other RED Carnation on the market

\$10 per 100
\$40 per 500
\$75 per 1000

8000
BLOOMS

Cut and sold
Xmas Week
at \$1.50
per doz.

Palmer's

RED
LAWSON

8000
BLOOMS

Cut and Sold
Xmas Week
at \$1.50
per doz.

\$10 per 100
\$40 per 500
\$75 per 1000

50,000 Cuttings Sold

and not a word of complaint
FINE, STRONG, HEALTHY CUTTINGS

\$10 per 100
\$40 per 500
\$75 per 1000

W. J. PALMER & SON, Lancaster, N. Y.

CARNATIONS.

All the best varieties of this year's introduction. Also a full list of standard varieties including the famous white

THE BRIDE.

JOHN N. MAY, Summit, N. J.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by advertising in the American Florist. TRY IT NOW.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesly.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Red Sport

(OF MACEO.)

RED SPORT has proved the greatest money maker we ever grew, producing more good bloom to the square foot of bench room than any other variety on the place.

During the glut the first half of January, we could get but four cents for fancy Lawsons, but sold every **RED SPORT** bloom we had for five cents each.

Every grower who was here in December was carried away with **RED SPORT'S** possibilities as a future supply of a 'holly berry' red for Christmas. There is no pick in the blooms; they are all a uniform size and color. There are 40 or 50 thousand buds now showing in the various stages of development, and there is not a split or off color bloom in the lot, and every plant is the picture of health.

We will plant 20,000 **RED SPORT** for next season's blooming, the cut from which is already sold to two of Washington's leading retailers.

RED SPORT is an easy doer and every grower can successfully grow it.

Price for February 50, delivery: 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, post paid; \$6.00 per 100; \$50.00 per 1000.

Queen Louise the most profitable standard white, \$1.25 per 100, post-paid; \$10.00 per 1000.

We guarantee all cuttings to be well rooted and to arrive in good condition. : : : :

A. B. DAVIS & SON,

CARNATION SPECIALISTS,

Purcellville, Va.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226,
Kennett Square, Phila.

500,000 VERBENAS — 60 — VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Root-d Cuttings..... 60c per 100; \$5.00 per 1000
Plants, 2 1/4-inch pots..... \$2.50 per 100; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : :

CRISIS, New Commercial Scarlet.....		\$12.00 per 100; \$100.00 per 1000.
	Per 100	Per 1000
Mrs. Patten.....	\$6.00	\$60.00
Judge Hinsdale.....	4.00	40.00
Lady Bountiful.....	5.00	50.00
Wm. Scott.....	1.25	10.00
Floriana.....	1.25	10.00
Lorna.....	1.25	10.00
Eldorado.....	1.25	10.00
Mrs. Joost.....	1.25	10.00
Enchantress.....	3.00	25.00
Flamingo.....	\$6.01	\$60.10
Dorothy Whitney.....	3.00	30.00
Golden Beauty.....	3.00	30.00
Mrs. Lawson.....	\$2.00	\$20.00
Adonis.....	2.50	20.00
Harry Fenn.....	2.00	15.00
Gov. Roosevelt.....	1.50	12.00
Mrs. P. Palmer.....	1.25	10.00
The Queen.....	2.50	20.00
Buttercup.....	\$3.00	\$30.00
Prosperity.....	2.00	20.00
Mrs. J. H. Manley.....	2.50	25.00
Mrs. E. A. Nelson.....	\$1.50	\$15.00
White Cloud.....	1.50	12.00
Flora Hill.....	1.25	10.00
Portia.....	1.25	10.00
Queen Louise.....	1.25	10.00
Dorothy.....	1.25	10.00

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$ 2.00 per 100; 3 1/4-inch pots, per 100..... \$18.00
BRIDES, BRIDEMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100 10.00
3 1/4-inch pots per 100..... 15.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

Rooted CARNATION CUTTINGS

...NOW READY...

WHITE.		Per 100	1000
Queen Louise.....	\$1.00	\$10.00	
Flora Hill.....	1.00	10.00	
Alba.....	1.40	12.50	
Gov. Wolcott.....	1.00	10.00	
Norway.....	1.00	10.00	
Lillian Pond.....	1.40	12.50	
Chicot.....	1.20	10.00	
PINK.		Per 100	1000
Mrs. Thos. Lawson.....	1.40	12.50	
Enchantress.....	3.50	30.00	
Mrs. Joost.....	1.00	10.00	
Success.....	1.00	10.00	
Mermaid.....	1.00	10.00	
Cressbrook.....	1.00	10.00	
Pres. McKinley.....	1.40	12.50	
Mrs. Theo. Roosevelt.....	1.40	12.50	
SCARLET.		Per 100	1000
G. H. Crane.....	1.00	10.00	
SCARLET.		Per 100	1000
America.....	1.00	10.00	
Potter Palmer.....	1.00	10.00	
Estelle.....	1.40	12.50	
J. H. Manley.....	1.60	15.00	
Apollo.....	1.50	15.00	
CRIMSON.		Per 100	1000
Harlowarden.....	1.40	12.50	
Gov. Roosevelt.....	1.20	10.00	
YELLOW.		Per 100	1000
Golden Beauty.....	1.40	12.50	
Eldorado.....	1.00	10.00	
VARIEGATED.		Per 100	1000
Prosperity.....	1.40	12.50	
Marshall Field.....	1.40	12.50	
Stella.....	1.40	12.50	
Armazindy.....	1.00	10.00	
Viola Allen.....	1.20	11.00	
Gaety.....	1.20	11.00	

Special prices on large lots. Unrooted slips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Please mention the American Florist when writing.

CARNATIONS.

ROOTED CUTTINGS.

\$ 12.00 per 100
100.00 per 1000
250 at 1000 rate.

VICTORY

To Be Disseminated
1906.

—PLACE YOUR ORDERS FOR ROOTED CUTTINGS.—

	Per 100	Per 1000
WHITE LAWSON.....	\$6.00	\$60.00
NELSON FISHER.....	6.00	60.00
MRS. PATTEN.....	6.00	60.00
ENCHANTRESS.....	4.00	40.00
PROSPERITY.....	3.00	30.00
THE BELLE.....	6.00	60.00
LADY BOUNTIFUL.....	6.00	60.00
HARRY FENN.....	\$2.50	\$25.00
GOETHE, light pink.....	2.50	25.00
GENEVIEVE LORD.....	2.50	25.00
MANLEY.....	3.00	30.00
MACEO.....	1.50	15.00
CERVERA, variegated.....	2.00	20.00
LAWSON.....	2.00	20.00

—5 per cent discount for cash with order.—

ALEX. J. GUTTMAN, 52 W. 29th St., New York City.

San Francisco. BUSINESS FAIR.

Business has been good the past few weeks. Social affairs at the fashionable hotels helped to move a great lot of stock. Violets are very cheap, ranging from 35 cents to 50 cents per dozen bunches. Very few Marie Louise find their way to this market. Good roses are not plentiful, first grade Bride bring \$8 a hundred. Good Liberty are also in short supply as also first class American Beauty carnations are bringing from \$2 to \$4 per hundred for first grade or fancies and common stock is hard to give away. Poinsettias from San Diego can still be seen in the windows. Lilies are scarce and from the present outlook will continue so. There is plenty of bulbous stock from out doors. Lily of the valley is firm.

NOTES.

A visit to the country estate of J. B. Coryell, at Menlo Park, is always interesting. The new greenhouses which have just been completed are filled with one of the finest collections of decorative plants in the west. A great number of rhododendrons have been planted here also and seem to be in a thriving condition. The whole estate is under the able management of Andrew McDonald.

The Menlo Park Horticultural Society, at its meeting this week considered the advisability of holding a spring show. Although this society is but one year old it has already held two very successful fall shows. At the last meeting the following officers were elected for the ensuing term: President Sidney Clack; treasurer, Geo. Munn; secretary, James T. Lynch; Robert E. Rathbone trustee for the long term.

James L. Flood is having two new greenhouses added to his range. They will be devoted to roses and carnations. Mr. Flood is steadily adding to his already extensive collection of orchids. Joseph Joachim has resigned the charge of the greenhouses and has been succeeded by M. M. Lain formerly of Holy Cross cemetery.

Frank Pelicano & Company have been making a splendid display the past week at their Kearney street store, as also has the Art Floral Company in its splendidly located store in the New James L. Flood building.

The three new greenhouses recently added to M. Lynch's range are in splendid shape. They have also installed two large boilers and are using crude oil for fuel with success.

H. Ebel, the leading florist of Sacramento, called on the growers in this vicinity during the week. Mr. Ebel reports trade as being very fair.

The Pacific Coast Horticultural Society has issued invitations to an informal affair to be held in the quarters of the society this coming week.

S. Clack's new dark pink sport from Enchantress has been the object of much favorable comment by visitors to his establishment.

Thos. Forbes the newly appointed superintendent of Holy Cross cemetery has made many changes in that beautiful spot.

Thos. Douglas, of Waukegan, Ill., is here for the winter months. Mr. Douglas spends every winter in this state.

J. Kearns, representing Henry H. Dreer of Philadelphia is here in the interests of his firm. NORMA.

A Large Stock of Well Rooted CARNATION CUTTINGS

Selected from Clean, Healthy stock just the kind you are looking for and at **ROCK BOTTOM PRICES** as a leader we offer : : :

MRS. LAWSON, \$1.25 per 100; \$10.00 per 1000.

	Per 100	Per 1000		Per 100	Per 1000
Boston Market.....	\$2.00	\$15.00	Mrs. Ine.....	\$1.50	\$12.00
Stella.....	2.00	15.00	Mrs. Nelson.....	1.50	12.00
Harry Fenn.....	2.00	15.00	Triumph.....	1.50	12.00
Roosevelt.....	1.50	12.00	Flora Hill.....	1.00	9.00
Estelle.....	2.50	20.00	Guardian Angel.....	1.00	9.00

All stock sold with the understanding that if not as represented same is to be returned immediately when money will be cheerfully refunded.

J. A. BUDLONG, 37 Randolph St., CHICAGO.

CRISIS

This **NEW CARNATION** has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg. Pa.

Have You Placed Your Order For
FRED. BURKI
The Commercial White?
If not do so. All orders booked now are for March delivery.....
JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.
Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	4.00	30.00
H. FENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

Please mention the American Florist when writing.

Nice Clean Stock ROOTED CARNATION CUTTINGS.

CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Boston Market, White Cloud and Mme. F. Joost. Also unrooted of last two varieties. Prices upon application.

C. G. VELIE & SON, Marlborough, N. Y.
Valley View Greenhouses.

GLAD to have you send for my **IOIUS** price-list. Mixtures, named varieties and colors. All sizes.
E. E. STEWART, River Junction, Mich.

ROOTED CUTTINGS.

Fine Clean, Healthy Stock.

ROSES.

	Per 100	Per 1000
AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.00
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

	Per 100	Per 1000
RED		
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	1.50	12.50
INE.....	1.50	12.50

	Per 100	Per 1000
PINK		
NELSON FISHER.....	6.50	55.00
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.00	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00

	Per 100	Per 1000
LIGHT PINK		
HIGHBOTHAM.....	1.00	9.00
GIBSON BEAUTY.....	12.00	100.00

	Per 100	Per 1000
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.50	12.50
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS. —NOW READY—

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Albatross
The above at \$5 per 100; \$40 per 1000.	
The following at \$3 per 100; \$25 per 1000:	
Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

CARNATIONS

150,000 Rooted Cuttings.

	Per 100	1000
Queen Louise.....	\$1.00	\$10.00
America.....	1.00	10.00
G. H. Crane.....	1.00	10.00
Eldorado.....	1.20	10.00
Marshall Field.....	1.40	12.50
Armazindy.....	1.00	10.00
Mrs. Joost.....	1.00	10.00
Mrs. Thos. W. Lawson.....	1.40	12.50
Pres. McKinley.....	1.40	12.50
Success.....	1.00	10.00
Harlowarden.....	1.40	12.50

Unrooted cuttings at half price. Terms: Cash or C. O. D. with privilege of examination. Express prepaid at above prices and satisfaction guaranteed.

HERMITAGE CARNATION CO.,
LOOMIS, CAL.

CARNATIONS.

PETUNIAS. SALVIAS.

Strong Rooted Cuttings.

N. Fisher....	\$5.00	Walcott	\$2.00	\$18.00
Indianapolis	4 00	Lawson	1.50	14.00
Enchantress	2.50	Glacier.....	1.50	14.00
B. Market..	2.00	Prosperity..	1.50	14.00
Estelle.....	2.00	18 00		

Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD, ILL.

—UNROOTED— CARNATION CUTTINGS.

The following at \$3 per 100; \$25 per 1000

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Crusader

The following at \$2 per 100; \$15 per 1000

Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

WHITE LAWSON which we introduced last season has given great satisfaction, and has proved to be **The Finest White Carnation ever sent out**. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be filled strictly in rotation as received, so the earlier orders are booked the earlier deliveries can be made. We can supply **first-class strong rooted cuttings**, \$7 per 100; \$60 per 1000. Also the other novelties of the season—**Fiancee, Cardinal, Fred Burki** etc. Also the cream of older sorts—**Mrs. M. A. Patten, Dahim, Enchantress, Flamingo, Mrs. Thos. W. Lawson**, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Advertisers Everywhere Get Results.

AM. FLORIST Co.—Practically all the replies I get from western trade advertising refer to the **AMERICAN FLORIST**.
JOHN DEAMUD.

Indispensable.

AMERICAN FLORIST Co.—Florists whom we have visited in Des Moines and other places tell us the **AMERICAN FLORIST** is indispensable, and from an examination of the magazine we believe it so, so enclose \$1 for a year's acquaintance with the journal.

ENOE & BARNEY.

200,000 ROOTED Carnations

NOW READY.

White	Per 100	Per 1000	Pink	Per 100	Per 1000
Queen Louise.....	\$1.00	\$10.00	Cressbrook.....	1.00	10.00
Flora Hill.....	1.00	10.00	Soarlet.....		
Gov. Wolcott.....	1.00	10.00	Crane.....	1.00	10.00
White Cloud.....	1.00	10.00	America.....	1.00	10.00
Alba.....	2.00	15.00	Estelle.....	1.40	12.50
Pink			Crimson		
Lawson.....	1.20	12.50	Harlowarden.....	1.40	12.50
Marquis.....	1.00	10.00	Variegated		
Enchantress.....	3.50	30.00	Prosperity.....	1.40	12.50
Mrs. Joost.....	1.00	10.00	Marshall Field.....	1.40	12.50
McKinley.....	1.40	12.50	Armazindy.....	1.00	10.00
Mermaid.....	1.00	10.00	Viola Allee.....	1.20	11.00

100,000 Pansy Plants, at \$10.00 per Thousand.

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.

Loomis Carnation Co.

Lock Box 115, LOOMIS, CAL.

ROOTED CUTTINGS READY.

White Lawson

\$7.00 per 100; \$60.00 per 1000.

ENCHANTRESS, - - \$4.00 per 100; \$30.00 per 1000
PINK LAWSON, - - 3.00 per 100; 20.00 per 1000

Send for catalogue for other varieties.

CHICAGO CARNATION CO. JOLIET, ILLINOIS.

WM. PENN

READY NOW. NO WAITING.

A pleasing shade of pink, on a stiff, wiry stem. Growth clean and upright; no useless foliage. Flowers large enough for all ordinary purposes.

Will Produce More Flowers per Square Foot Than Any Carnation Now Grown.

Worth growing by the thousand but rather than have you miss trying it, I will mail free of charge 25 rooted cuttings for \$2.50; \$10.00 per 100; \$75.00 per 1000; 250 for \$ 8.75.

SEND FOR LIST OF OTHER VARIETIES.

Queen Louise and Lillian Pond, \$10.00 per 1000. Floriana and Harry Fenn, \$12.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Rooted Carnation Cuttings

—All Orders Filled in Rotation.—

	Per 100
Mrs. M. A. Patten.....variegated.....	\$6.00
White Lawson.....	5.00
Flamingo.....scarlet.....	6.00
Albatross.....white.....	5.00
Enchantress.....	3.00
Queen.....white.....	2.50
Boston Market.....white.....	3.00
Queen Louise, Lawson.....	2.00
J. H. Manley.....scarlet.....	2.00
Challenger.....scarlet.....	2.00

Write for Prices on large lots. 5 Per Cent Discount for Cash with Order.

Jas. D. Cockcroft, NORTHPORT, L. I., N. Y.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Dahim.....	6.00	50.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	16.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Please mention the American Florist when writing.

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Plants, Bulbs and Seeds.

1305 Filbert Street, PHILADELPHIA.
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European Horticulture.

(FROM BRITISH HORTICULTURAL PAPERS.)

SALVIAS.—At no time of the year do we find it more difficult to have a display of flowers than through the winter months, but the following includes a few varieties of salvia which would be much appreciated for the effect they give, and can be had in flower from October onwards. *Salvia Pitcheri* (syn. *S. azurea grandiflora*) is one of the earliest. The color of the flowers, which are produced from branching stems, is of azure blue. An increase of plants can be got by dividing up old stools or from cuttings. *S. splendens* Bruniati is much more dwarf, and flowers much brighter and produced in greater abundance than the old variety *S. splendens*. *S. rutilans* (pineapple-scented) has foliage which is delightfully fragrant; the habit is neat and graceful; flowers are of a lovely magenta color, borne on pretty, neat spikes. *S. leucantha* is very free flowering, and has a woolly appearance; the base of the tubes is of rosy-mauve; upper parts are pure white. *S. Heerl* produces long spikes of flowers, bright red, shaded orange color, very free, foliage much broader; a useful variety. *S. gesneriflora*, a good late species, somewhat resembles the gesnera, and of a bright scarlet color. Good specimens of all can be easily grown from cuttings in one season. Cuttings should be rooted in April. Potting, stopping and staking should be strictly attended to. The best place through the summer months is for them to stand on a bed of ashes in a sunny position, allowing plenty of room between each plant for their development. At the approach of frost remove them to where they are safely protected, and eventually give them their permanent quarters in the greenhouse or conservatory as they come into flower, where they will repay for the labor bestowed upon them.

THE BLUE-FLOWERED SHAMROCK.—This little rock plant (*Parochetus communis*), also known as the Shamrock Pea, comes to us from Nepaul, and it is so charming throughout the summer that one can recommend it for any warm position on rockwork where it could ramble at will. One hesitates to call it rare, yet it is so in reality, a circumstance due mainly to its being neglected or overlooked when planting time comes round. It is a little tender—hard winters buffet it severely—and it is generally advisable to take up a "turf" of it for cold frame treatment throughout the winter. The leaves are three-lobed as in the shamrock, and are borne on running stems that soon cover a square foot of soil. The flowers are exceedingly pretty, shaped like the sweet pea and colored a beautiful sky blue. It is a plant one should grow like *Nierembergia*, a small patch being allotted to it, and the surface covered with large pebbles or broken rock. The growths pushing up here and there in a thin carpet, each bearing their quota of flowers, add much to the interest of the rockery when many of its occupants have passed their best. It is as easy to grow as the commonest weed, yet the prettiest plant of its order for the rock garden I know. It could be used effectively as a marginal patch in herbaceous borders as one would use *Aubrietia*. Every bit of stem will root and grow freely if severed in the spring, whilst seeds are sometimes to be purchased and are easy to have in flower the first season. In the south patches square yards in extent are often met with.

NEW DISEASE OF THE PEANUT.—According to a communication of A. Karosek to *Gartenflora*, a new disease of the peanut plant has shown itself in German East Africa. The peanut belongs to the most important cultivated plants there, and has been so far especially recommended on account of its relative freedom from disease. It mainly suffers from a fungus which causes reddish-brown spots upon the plants, which afterwards change to black. The disease occurs wherever peanuts grow, but does not kill the plant elsewhere. The new disease observed by Mr. Karosek in the vicinity of Tanga, and which is also said to exist at Lindi, results in a rapid dying out of the plant. It shows itself in a retarded growth of the leaves, flowers, and fruit; and the leaves, in addition, show irregular white spots, which ultimately change to brown and black. The cause is yet unknown. The fungus which may be responsible has not yet been found, neither on the roots nor on the diseased leaves or flowers. It is possible that the disease, like the mosaic disease of the tobacco plant, which it resembles, is due to bacteria. The peanut plant has still another enemy in a root louse, concerning which no close research has yet been made.

MONUMENT TO ALPHONSE KARR.—Horticulturists of Nice, Cannes, and Saint-Raphael are joining in the movement to erect a monument to Alphonse Karr. The memorial will be erected at St. Raphael, where the author died. Karr, after a busy literary

life in Paris, retired to the south of France, and fixed his residence at St. Raphael, where he cultivated flowers on a large scale, and became a gardener, or nurseryman, and flower merchant. While attending to his beloved flowers on a wet day he caught cold and then died, over eighty years old, in his embowered villa at St. Raphael. The committee for the erection of the monument has been formed, but it has no president. M. Nardy was chosen as president, because he is the oldest member, the doyen of the gardener's craft on the Riviera. In his modesty, the old horticulturist refused to be the president of the committee, on the ground that he was not a literary man. The president will now probably be M. Jean Aicard, who was one of Alphonse Karr's intimate friends.

EARLY VEGETABLES IN PARIS.—Some time ago we announced that a number of gardeners from Evesham were making a combined trip to Paris in order to learn how their confrères were able to raise early vegetables and send them to London at a profit. Some notes brought back by the gardeners state that the bottom of the bed on which the plants are raised consists of hard clay, the top soil having been removed. Some stable manure is put into this opening, and covered with three inches of soil. These beds are, of course, covered with bellglasses or frames according to their size. The beds of fermenting manure are made up at different times for the purpose of giving a succession. The Evesham gardeners seem to think that Frenchmen have no natural or other advantages over gardeners in this country. They do not think, however, that the outdoor crops of vegetables in France are equal to those in this country.

ROSE MME. ANTOINE MARL.—A colored plate of a recently raised rose appears in the November number of *Rosen-Zeitung*. A number of roses have been raised in Italy by the firm of Sig. Ant. Marl. One of them is the tea rose above named. In the bud state the flowers are conical, elongated, white, tinted with rose to some extent on the back of the petals. As these gradually expand the broad outer petals become revolute around a firm centre, and the color changes to a creamy-yellow more or less flushed with rose on the back of the petals. If this variety can always be brought to the same perfection as shown in the plate, we should think it would prove a beautiful exhibition flower for cultivation in this country. For cut flower purposes there can be no doubt about its value, especially when cut in various stages of development and accompanied by some of its own foliage. The young leaves are tinted with red.

RADISHES CHANGED TO POTATOES.—The discovery of a means of metamorphosing radishes into potatoes has been made in so solemn a place as the Academy of Sciences, Paris. M. Molliard takes a very young radish, "Pasteurizes" it in a certain way and it grows up into a fine potato. More scientifically, the young radish is cultivated in a glass retort, after a process invented by Pasteur, in a concentrated solution of glucose. Starch then develops plentifully in the cells of the radish, which swells out, loses its pepperiness and acquires practically the consistency, flavor and especially the nutritive properties of the potato.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON.....	\$6.00	\$50.00
FLAMINGO.....	6.00	50.00
ENCHANTRESS.....	3.00	25.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Telegraph Geranium

judges, the grandest Geranium in commerce. Awarded First-Class Certificates and Diplomas. TELEGRAPH has commanded more notice, and received more honors, than any geranium disseminated. WILL SELL AT SIGHT, AND GIVE SATISFACTION.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.

RICHMOND GEM

Also	Per 100	1000
Eochantress.....	\$4.00	\$30.00
Lawson.....	1.50	12.50
Joost.....	1.25	10.00
Marquis.....	1.25	10.00

	Per 100.	1000.
Boston Market.....	\$2.50	\$20 00
White Cloud.....	1.50	12 50
Queen Louise.....	1 25	10 00
Flora Hill	1.25	10.00

Quality is Our Hobby.

W. C. HILL FLORAL CO.,

Sreator, Ill.

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Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnota, Cas-siers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000. Mammoth Verbenas, 60c per 100; \$5.00 per 1000. Stocks, dbl. white for Easter, \$1 per 100; \$8 per 1000. Daisies, dbl. white, 75c per 100; \$5.00 per 1000. Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000. Salvia Splendens, \$1.00 per 100. Lobelia dwarf blue, \$1.00 per 100. Ageratum, dwarf blue, 60c per 100. Asparagus Plumosus Nanus from flats, ready for 3-inch pots \$2.00 per 100; 3-in. ready for 4-in., \$3.00 per 100. Plants by the 100 mailed free.

HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y.
Please mention the American Florist when writing.

100,000

Alternantheras

RED and YELLOW. Strong rooted Cuttings 50c per 100 or \$1.00 per 1000; in lots of 5,000 \$3.50 per 1000.

DAVIS BROTHERS, Morrison, Ill.

Cannas

in 20 best varieties; for prices see American Florist Jan. 28, page 57.

CARNATIONS. Rooted Cuttings. My stock is fine and perfectly healthy. Indianapolis \$2.00 per 100; Peru Queen Louise and Floriana, \$1.25 per 100, \$10.00 per 1000. Nelson Fisher, \$5.00 per 100. Cardinal, strong 2-inch pot plants, \$13.00 per 100.

W. W. COLES, Kokomo, Ind.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Milham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

Chrysanthemums Rooted Cuttings NOW READY.

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, F. A. Cobbold, Leila Filkins, \$3 per hundred.

Dr. Enguehard, \$4; Mrs. Thirkell, \$2.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants. Leading standard varieties. Write for list of varieties and prices. Cash or satisfactory references. Address

Baur Floral Co., Erie, Pa.

FOR BEDDING OUT, CONSERVATORY OR WINDOW.

Pronounced by the most competent judges, the grandest Geranium in commerce. Awarded First-Class Certificates and Diplomas. TELEGRAPH has commanded more notice, and received more honors, than any geranium disseminated. WILL SELL AT SIGHT, AND GIVE SATISFACTION.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.

RICHMOND GEM

Also	Per 100	1000
Eochantress.....	\$4.00	\$30.00
Lawson.....	1.50	12.50
Joost.....	1.25	10.00
Marquis.....	1.25	10.00

	Per 100.	1000.
Boston Market.....	\$2.50	\$20 00
White Cloud.....	1.50	12 50
Queen Louise.....	1 25	10 00
Flora Hill	1.25	10.00

Quality is Our Hobby.

W. C. HILL FLORAL CO.,

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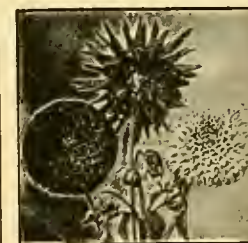
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Despite the very cold weather for the last two weeks, trade has been very good. Funeral work has helped to a great extent. All kinds of stock is rather plentiful, barring American Beauty roses and good red carnations, which have been unusually scarce all season. Violets are in good demand, with plenty of them, and prices have held up well so far, despite the low prices they are offered for out of town. McKinley day attracted very little notice. Several large reception and banquet decorations are in order during the coming month.

Holm & Olson will add about 15,000 feet of glass to their range early in the summer.

N. C. Hansen will add another carnation house.

Trade visitors: W. A. Prosser, representing R. M. Ward & Company; C. B. Knickman, of McHutcheson & Company, New York; J. H. Wallace, of Storrs & Harrison, Painesville, O.; B. Suzuki, of Suzuki & Iida, New York; C. W. Scott Chicago.

O.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its regular monthly meeting February 1 and elected three new members. At the next meeting, March 1, there will be an exhibit of carnations. A box of cigars will be given by the president for the best. The society enjoyed an address from President Harrison. The meetings are held on the first Wednesday in each month, at 2:30 p. m.

S. J. T.

DE HAVEN, PA.—Frank Schumann, a skillful and highly respected grower at the establishment of A. T. Lorch & Company, died February 6, aged thirty-eight years, leaving a wife and four children.

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Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

Per Doz. Per 100
2½-inch \$2.00 \$12.50
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Pierson Ferns 2½-inch 60c per dozen, \$4.00 per 100.

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Asparagus Plumosus Nanus,

3-inch 3 cts.; 1½-inch 1½ cts.

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ALYSSUM, Giant Double, 2 cts.

ROOTED CUTTINGS, prepaid, per 100.

Alyssum Giant, 75c; Ageratum Gurney, 50c; Alternantheras, best red and yellow, 45c. Fall rooted, extra strong, in soil 50c; \$4.00 per 100, prepaid. Fuchsia Truhee and other good sorts, \$1.25; Giant Marguerite Daisy, white, \$1.00; Rose Geranium, strong, \$1.00; Double Petunia, 10 very best sorts, \$1.00; Heliotrope, \$1.00. CASH.

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Good stock.

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Asparagus Plumosus Nanus, 2-inch..... 2.50

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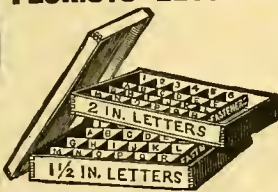
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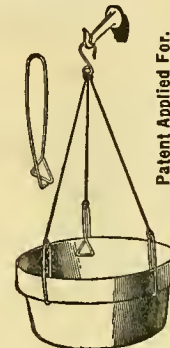
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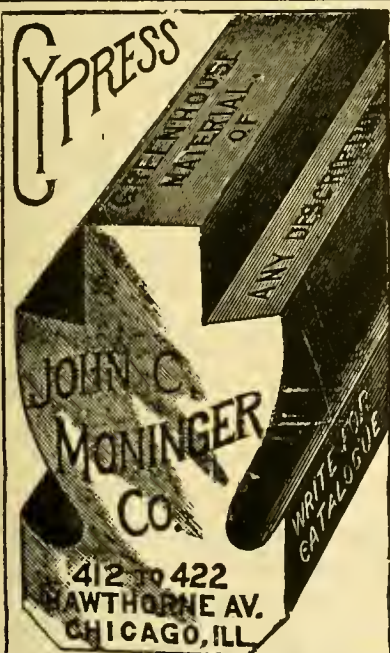
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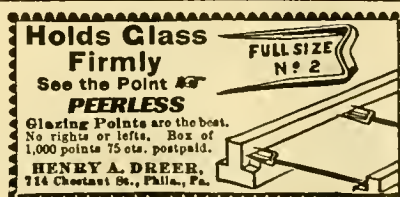
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Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

New York Glass Market.

Trade has been fairly good considering the unfavorable weather and labor troubles, and sales for the past month have been of a volume satisfactory to most jobbers. The latter are calling for deliveries of glass on old contracts, and as near as could be learned manufacturers are unable to make prompt shipments as desired, as they claim that they are tested to their utmost in filling back orders, says the Oil, Paint and Drug Reporter. The latter applies to manufacturers who turn out the good qualities of glass, and in many instances they are refusing to book further orders at the moment. Reports are current to the effect that prices will probably be advanced soon.

Indianapolis.

Walter and Herbert Bertermann have returned from a week's stay in New York. The quality of Liberty roses seen on the New York market according to Walter Bertermann's report is far superior to goods obtainable here. In one store he found gardenias of an extra fine quality. These retail at one dollar apiece. Mr. Bertermann also states that the amount of money the eastern hotels spend for plants and cut flowers used in decorating is something enormous.

All meetings of the State Florists' Association will hereafter be held in the state house. The last meeting, February 7, was well attended. J. Haugh, of Anderson, was the only outside member present.

John Hartje's new pink carnation which attracted much attention in Chicago, is growing more favorable every day, and John is beginning to realize what a good thing he has.

Mr. and Mrs. John Bertermann and daughter spent a few days in Columbus, O., last week.

J.



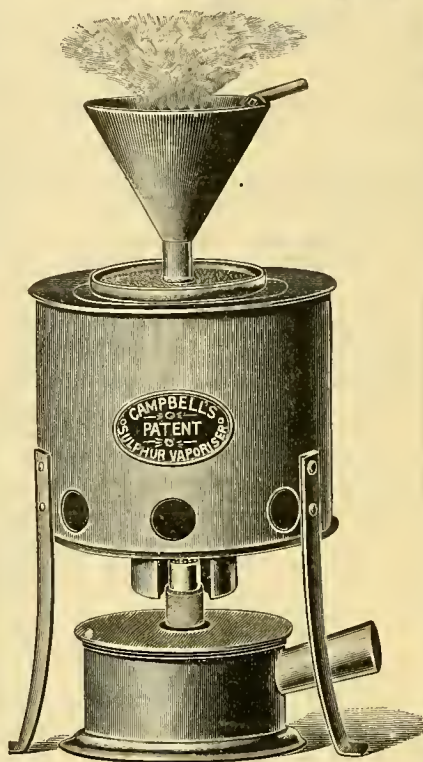
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Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums, and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet the tube of which is loosely closed by a pyritiform hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

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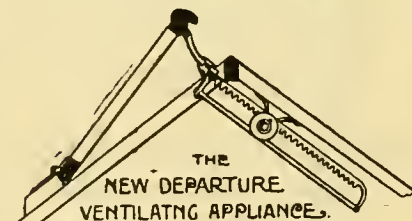
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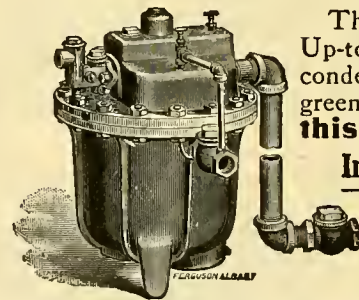


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Vol. XXIV.

CHICAGO AND NEW YORK. FEBRUARY 25, 1905.

No. 873

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TWENTIETH YEAR.

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ORNAMENTAL HORTICULTURISTS.

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at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT
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AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
March 23-26, 1905. Wm. J. STEWART, 11 Hamilton
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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November,
1905. FRED. H. LEMON, Richmond, Ind., secretary.

THIS ISSUE 52 PAGES WITH COVER.

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The Boston Fern and Its Varieties.

The Boston fern, *Nephrolepis exaltata Bostoniensis*, has been known to the florists in this country for a number of years. It originated years ago in the vicinity of Boston, Mass., (hence the name) and, soon became generally known to the plant men in that vicinity. It is but a variety of the well-known *N. exaltata*, and for years many contended that there was not enough dissimilarity in the newcomer to warrant another name. Fern men could readily see the difference, however. In the new variety the serrated edges were missing, the fronds narrower with a drooping habit, and more graceful curve. Gradually the outside world came to hear of it, but it was never disseminated in the modern sense of the term. It forged its way to the front on its own merits and the writer has heard many of the most prominent men in the profession say never was so much money made on any other plant as on this. It may be truthfully said that no other plant ever raised has been such a boon to the florists' trade. No other plant has been so universally grown, nor has any other given such genuine satisfaction as this humble fern. The small florist as well as the big has had a share in the profits and all will always hold it gratefully in remembrance. It has largely hurt the sale of palms, ficus, etc., and is doing so even to-day. Its culture is simple, its propagation easy, and it has withstood the rough usage of the tenement, the mansion, the hotel and store, better than anything ever offered to the public by the florist trade. The demand for years was well sustained, and is even so up to the present time. A good specimen plant has never to go begging, but can readily find a purchaser at a fair profit.

ANNA FOSTER.

For years this worthy fern kept growing on in the even tenor of its ways and reproduced itself after its own kind, but in a freakish moment, either from some peculiar surrounding or superabundance of good things to eat, it took upon itself frills and fringes and the new departure was christened by the discoverer (L. H. Foster, Dorchester, Mass.), the Anna

Foster. Anna Foster was a unique thing in the fern line. The pinnae of the long drooping fronds were deeply cut, and the fronds a little broader and somewhat longer than the parent. Anna certainly was a thing of beauty and would have been much more widely distributed had not the parents in another spell of reproductiveness given birth to another variety somewhat more frilled and fringed than Anna.

PIERSONI.

The newcomer was discovered in the year 1899 in the greenhouses of the F. R. Pierson Company, Tarrytown, N. Y., by a boy named Theodore Trevillian. Trevillian was put to work to cut off the bad fronds and generally renovate a number of Boston ferns that had been standing below the benches of the rose house for lack of better accommodation; and, being more observant than the average boy, he discerned in one of the pots a slight sprig, somewhat different from the others. This he put in a small pot, and as it grew older it showed the difference more markedly. In a short time it became evident that a thing of real value had been discovered, and from then on it was propagated with great care. Three years afterwards it was put on the market by F. R. Pierson as *Nephrolepis Piersoni*, but more generally known as the Pierson fern. The sales were remarkable. It had been widely exhibited and had received the highest honors of nearly every horticultural society and florists' club in the United States and Canada. The advance orders were great and Mr. Pierson soon discovered that all the greenhouse space at his command would be inadequate to raise the desired quantity. He, therefore, had a new greenhouse built to accommodate the larger sizes. This house was unique in many ways. It was among the first of the U-bar houses to be erected. It is in the neighborhood of 300 feet long and about sixty feet wide. The sash bars are two feet apart and the glass used 24x30 inches. Judging from the chapter of events that followed it would seem that the house had a good deal to do with the fern.

While inside this house you are in a

veritable summer garden. No shading was applied to the glass and the plants were subjected to the full rays of the sun. One would naturally think that the summer's sun would burn them up, but it was not so. There was always an abundance of air and free circulation, and the heat was never as oppressive as in smaller houses. This treatment the Pierson fern seemed to enjoy, and there were very few cases of reverting noticeable. After it was put on the market



F. R. Pierson at Home with His New Ferns.

and subjected to Boston fern treatment, often standing below palms and under heavily shaded glass, the fronds grew longer and weaker, and in many cases a number of Boston fronds grew up; starvation also produced the same result. That several growers experienced this trouble it cannot be denied, and for a time it was the means of giving the new introduction a black eye. "It will not succeed with the Boston treatment," was the general verdict, which undoubtedly is true, but neither will the higher grades of roses, carnations, chrysanthemums, etc., of the present time succeed with the treatment of the old time varieties. That *Nephrolepis Piersoni* has been the victim of improper treatment in many cases has been only too truly shown, but now that its requirements are more thoroughly understood it is fast regaining the popularity that it never ought to have lost. During the past season it has been much in demand and the raisers have not been able to fill the orders received.

SCOTTII.

At the chrysanthemum show held in Madison Square, New York city, under the auspices of the New York Florists' Club, three years ago, John Scott, Keap street, Brooklyn, first exhibited his sport, which he named *Nephrolepis Scottii*. *Scottii* has had a very popular run the last season and has been extensively shown throughout the country, where honors thick and fast have been showered upon it. It is essentially a commercial variety, of very free growth and easy culture. It is very much more

dwarf than the old parent, with narrower fronds, in every respect a miniature *Bostoniensis*, but with its dwarfer habit it also sends up a greater number of fronds. It makes a pretty specimen and soon develops into a large plant, in which condition it looks well, but it is in the smaller sizes that it will be most popular. It makes a very pretty finished plant in 4-inch, 5-inch and 6-inch pots and is invaluable for decorations of all kinds. The sales are understood to be phenomenal and it would appear to be giving entire satisfaction.

PIERSONI ELEGANTISSIMA.

Nephrolepis Piersoni elegantissima, also known as the Tarrytown fern, is a sport of *Piersoni*, and was first discovered in 1902 in the greenhouses of the F. R. Pierson Company, Tarrytown, N. Y., in a batch of *Piersoni*. This was also discovered by Theodore Trevillian, (now in early manhood) who was the discoverer of *Piersoni*. *Elegantissima* has been widely exhibited the last season and has been the recipient of many honors in the form of medals, certificates, etc. It is to be disseminated generally this coming spring. This is unquestionably the most beautiful of all the *nephrolepis* family. The name *elegantissima* was first given to it by Robert Craig, of Philadelphia, while describing the plant to the Philadelphia Florists' Club, after he saw it at the World's Fair, St. Louis. Mr. Craig spoke as follows: "For *Nephrolepis Piersoni compacta* I think *elegans* would have been a better name, for elegance is its dominating characteristic. This will be a valuable plant, exceptional for use as fronds, in the finest floral works. It is also handsome as a pot plant." *Elegantissima* is a double *Piersoni*. The fronds are twice as broad and only about three-fourths the length of the parent. The pinnules are again cut and subdivided and the pinnae pinatifid. There is just as much difference between the newer form as there was between the *Pierson* and the parent *Boston*. The plant is very compact in growth and makes a most beautiful specimen in an 8-inch, 10-inch or larger sized pan. The frond is the richest thing ever seen in this type of fern; when fully matured it has the same appearance on the back as on the front. The pinnules are so thickly set on the

midrib that they overlap one another, and taking, as it were, a profile view, the fronds are over an inch thick. The longer one looks at it the more enamored he grows. As Mr. Craig suggests, the fronds are exceptionally valuable for make-up work. They have been used extensively at Tarrytown the last two seasons for this purpose with entire satisfaction. They are particularly useful in making up bunches, used in the same way as cycas leaves. A house of larger sized specimens created enthusiasm in the Christmas holidays and many persons in search of Christmas plants, as holiday gifts, gladly paid novelty prices for these larger specimens. It will require the same cultural treatment as the *Pierson*. Being a gross feeder it delights in an abundance of fertilizer either in a liquid or in solid form. It must have absolute light to fully bring out the beauty of the individual fronds and it seems to do better in a rose house temperature than in any other.

A NEW SPORT.

Another sport of the *Pierson* fern was exhibited at the chrysanthemum show in Boston in November. It seems to be intermediate between *Piersoni* and *elegantissima*. It has neither the density of frond nor the compactness of habit that *elegantissima* has.

PROPAGATION.

The Boston fern and its varieties do not seem to propagate very readily from spores. In fact, they multiply so quickly from runners that few seem to bother about any other means of propagation. A seedling of *Piersoni* was seen the other day at Jos. Eastman's place in Tarrytown, N. Y., raised by Wm. Scott, the gardener. Spores of *Piersoni* and *N. Washingtoniensis* were sown in the same pan, and it looks as if it might be a cross between the two. It is a robust grower and so far has not shown any sign of reverting. *Bostoniensis* has certainly been a peer among ferns, and it would appear that the end is not yet.

JAS. T. SCOTT.

The New Types of Boston Fern.

One hears comparisons occasionally made between *Nephrolepis Scottii* and *N. Piersoni elegantissima* in relation to



NEPHROLEPIS PIERSONI ELEGANTISSIMA.

one as a rival to the other. Now these comparisons as they are heard seem as unfair to one as they are to the other, as the writer thinks for the following reasons: *Nephrolepis Scottii* is an improvement on the old *N. Bostoniensis* in that it is more compact, sturdier, and much less cumbersome. These qualities, with perhaps the addition of some

THE ROSE.

Rose Notes.

It is interesting to note the many good things that are being said about the 1904 rose introductions.

Richmond, a dark red, similar in color

welcome addition to the list of forcing roses.

Killarney, of last year's roses, is doing finely where it has been given a good trial and is surely a coming favorite. It is also a fine long stemmed silvery pink rose throwing quantities of well developed flowers, the bud being of unusual length.

Cardinal, which was introduced last season, is an excellent red, very much like Liberty in color with perhaps more scarlet coloring in the flower. It is of freer habit than Liberty and is far superior to the latter in many localities.

All of the newer sorts seem to be doing finely on their own roots. There are many others of merit, which, when they have become better known and grown more extensively, will, without a doubt, prove very profitable. Chatenay is gaining many friends in the eastern states. It has been a favorite in the west for several years. The flower is a salmon pink in color, the reverse petals of a much lighter shade of pink and born on very long, stiff stems. La Detroit and Uncle John are holding their own and like Chatenay have taken a firm hold on the public's fancy in the western states where it is extensively grown. Surely one should be able to select from these varieties something that can be profitably grown. At the same time our old standbys should get their share of attention; Bride, Bridesmaid and Golden Gate are our bread and butter sorts, as the saying goes, and it will take extra good ones to put them out of the race.

As the sun has now become much stronger the plants will naturally require more feeding and watering. It is necessary at this time to apply a good heavy mulch if the plants are vigorous. About an inch of well rotted cow manure chopped finely and placed loosely but evenly over the beds or benches and covered lightly with fresh soil, will be a great protection to the surface roots and at the same time fur-



NEPHROLEPIS SCOTTII.

others, make it an ideal plant for florists.

On the other hand *N. Piersoni elegantissima*, while very much unlike *N. Bostoniensis*, is also very much unlike *N. Scottii*. Of *N. Piersoni elegantissima* one might say that each frond is decorative, the whole making a plant which once seen creates in most people the desire of possession. The graceful fronds make this favorable impression together with the peculiar make-up of the plant. It is these that give the plant so much favor in the eyes of the private gardener.

As was said before, however, *N. Scottii* is sturdy, compact, and a likely thing for everybody to possess, and possessing, can be reasonably sure of being able to keep alive for a long time, even in rooms where gas is used.

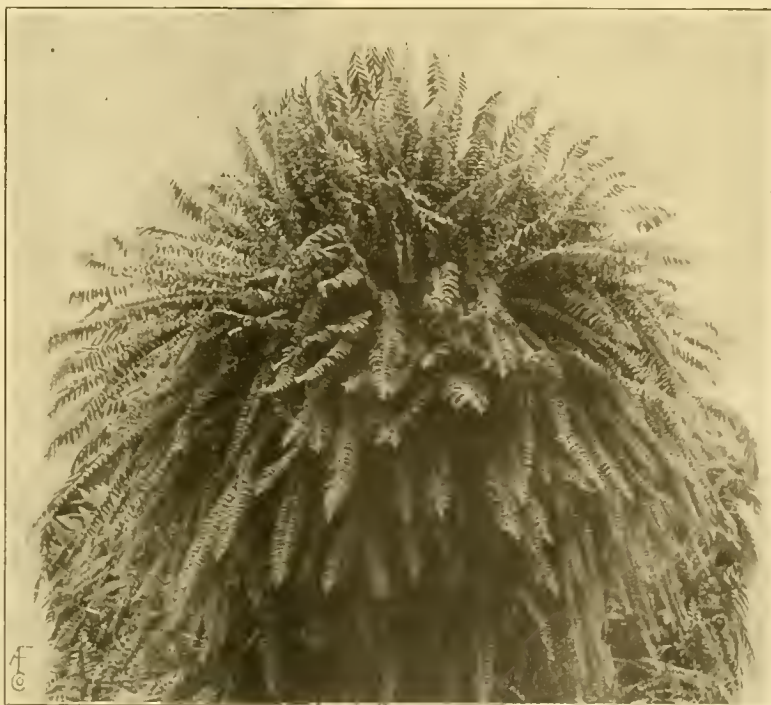
Nephrolepis Piersoni elegantissima is apparently not so sturdy and certainly not so compact, but just as certainly more decorative, this last qualification making it much sought after by gardeners having space to grow large specimens, to be placed later singly in the parts of the dwellings where they are needed as decorative plants. Both these varieties are excellent, in fact among the best things of recent introduction; but each possesses merits lacking in the other and should not be critically compared one with the other. M.

PORTSMOUTH, N. H.—Robert Paterson for years head gardener at the Frank Jones estate, has removed to Morristown, N. J.

BATTLE CREEK, MICH.—The door of Burt's greenhouse was inadvertently left open the night of February 13, when the mercury was below zero, and \$1,500 worth of plants were frozen.

to Liberty but claimed to be of much freer habit, an excellent keeper. Unlike Liberty this rose has shaken off the sleepy habit during the fall and winter months and is said to bloom profusely the season through and can be grown in the same temperature as Bridesmaid.

Wellesley is a silvery pink rose, very double, shaped very much like Bridesmaid and will from all accounts be a



NEPHROLEPIS SCOTTII.

nish considerable nourishment for a time. Grafted stock can be fed much oftener than own root stock and will be found to have made many more roots than the own root plants if they have had the proper care. The south sides of the benches should get a little more of the manure than the backs as the front rows usually dry out more rapidly from the effect of the sun being on that side the longer.

The liquid manure can be applied first as soon as the roots have made their appearance under the mulch, which is an indication, that the plants have responded to the feeding which must be kept up from now on until the plants are thrown out. Vary the liquid manure as much as possible. If green or fresh manure is applied as a mulch it should be placed in piles between the plants where in a short while it will rot sufficiently to level off. It should always be covered lightly with soil, or during fermentation in the house it will spot the foliage and sometimes the flowers with minute specks. Look after the tying, disbudding, ventilating, fumigating, sulphuring and particularly the watering. E.

Peter Lambert's New Roses.

Peter Lambert, of Trier, Germany, is offering the following new roses:

DIREKTOR W. CORDES (Hybrid Tea—Charles Margottin x Papa Gontier).—Growth medium high, strong, straight, bushy and even; fine leathery foliage. Bud thick and well pointed, always opening well and slowly; cream white. Flower very large and regular, very double; petals firm and leathery, whitish cream, center tinged reddish yellow; very fragrant and lasting. Stem strong and straight, unusually free, blooming till frost. Adapted for cutting, groups or solitary plants. Requires heavy fertilizing and close pruning.

HERMANN RAUE (Hybrid Tea—Grossherzogin Viktoria Melitta x La France of 1889).—Strong grower, straight and very branching; wood thick and set with a few large thorns; foliage very large. Bud long, salmon colored, large and thick. Flower very large, double, outer petals broadly arched, inner ones narrower and upright; pure salmon to yellowish brick red, with darker center. Fragrant, free blooming, good for all purposes.

GRAF FRITZ HOCHBERG (Hybrid Tea—Mme. Caroline Testout x Gold Quelle).—Good grower, upright, good foliage. Bud similar to President Carnot, and similar in color. Flower very beautiful and regular, not quite double but sufficiently so; delicate flesh pink, with darker center; carried singly on long, strong, upright stem. Good for all purposes.

FRAU HELENE VIDENZ (Multiflora Climbing Rose—Euphrosyne x Princesse Alice of Monaco x Louis Philippi).—Very strong grower, smooth wood, almost thornless. Flowers in very large clusters; the single blooms round, full medium double, pure light salmon pink; sometimes seventy-five blossoms in a cluster.

AUGENSCHNEIN (Climbing Multiflora Hybrid—Euphrosyne x Mme. Ocker Ferencz).—Very strong grower, shoots six to nine feet long, almost smooth. Flowers on long stems, very double, shining milk white, very fragrant. Hardy and a firstclass pillar rose.

THIERGARTEN (Climbing Rose—Euphrosyne x Safrano).—Striking deep ochre yellow, small, solid, double flowers, covering the vine in short-stemmed clusters. Hardy, lasting, very thorny. Good for hedges, pillars or cemetery.

THE CARNATION.

Housing Carnations.

ED. AMERICAN FLORIST:—

Would it be practicable to plant carnations from pots into a solid bed, after chrysanthemums have been taken out of same, providing I put new soil in the house, and plant about December 1? Which of the following varieties would be the best, Mrs. Joost, G. H. Crane, or Genevieve Lord, and how would you advise growing them after taking from the field? L. H.

My experience with planting carnations after chrysanthemums is such that I cannot advise anyone to follow this method, especially if planted in solid beds at so late a date as December 1. To meet with any success at all it is necessary, after potting up the plants from the field, to give them as good a bench to stand on as will grow cut flowers and they will occupy almost as

much space, therefore they may just as well be getting established in the soil. In some locations where it is possible to hold the plants in growing condition in cold frames and where the product does not have to come in competition with early planted stock to be disposed of, there may be some chance of success by following this plan. An important point to bear in mind is that it will take the plants longer to get established in midwinter and that they will only be just started to bring returns at the time the carnation market usually has an abundant supply with the prices at a low level.

Of the three varieties I would select Mrs. Joost, G. H. Crane being very subject to stem rot and the habit and growth of Genevieve Lord makes it necessary for it to have a long season of growth to be profitable. There are several uses that a chrysanthemum house can be put to after the crop is off. It can be used as a propagating house and to take care of the young stock after they are potted up. It can also be used to keep up a supply of Dutch bulbs, flowering plants, and to grow Easter lilies. Also a bed of sweet peas and a batch of candytuft in most places can be made to more than pay their way. There is also a long list of



FLORAL ARRANGEMENTS AT DUSSELDORF.—FIG. 1.

bedding plants where they can be handled which, to grow properly, requires considerable room after New Year's. I would therefore advise that, unless favorably located so that the product can be sold at a good figure late in the season, to fill up the chrysanthemum house with other stock than carnations.

C. W. JOHNSON.

Carnations for Outdoors.

ED. AMERICAN FLORIST:—

What carnations of different colors are best for steady outdoor summer blooming in a sandy soil where they can have all the water needed?

J. A. J.

The best carnations that we have found for blooming outdoors during the summer months are: White, Flora Hill, Glacier, Queen Louise and Mrs. Fisher; deep pink, Mrs. Joost; light pink, Morning Glory; red, America; crimson, Harry Fenn.

C. W. JOHNSON.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 18 were as follows: New York, cucumbers, No. 1, \$1.50 to \$2.25 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 50 cents to 60 cents per dozen; mushrooms, 50 cents to 60 cents per pound; radishes, \$2.50 to \$3.50 per 100; tomatoes, 10 cents to 18 cents per pound; rhubarb, 10 cents to 40 cents per dozen bunches. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 40 cents per pound. Philadelphia, mushrooms, 35 cents to 40 cents per pound. Minneapolis, cucumbers, \$2.25 per dozen. Buffalo, cucumbers, 75 cents to \$1.50 per dozen; tomatoes, 20 cents to 25 cents per pound. Pittsburg, cucumbers, \$1.75 to \$2.25 per dozen. Cleveland, mushrooms, 40 cents to 50 cents per pound. Detroit, cucumbers, \$1.60 per dozen; lettuce, 9 cents to 10 cents per pound. St. Louis, cucumbers, \$2 per dozen. Denver, cucumbers, \$2.50 to \$3 per dozen. Cincinnati, the team are preparing a book to be cucumbers, \$2.50 per dozen.

Strawberries.

ED. AMERICAN FLORIST:—

What twelve varieties of strawberries seem to give best satisfaction?

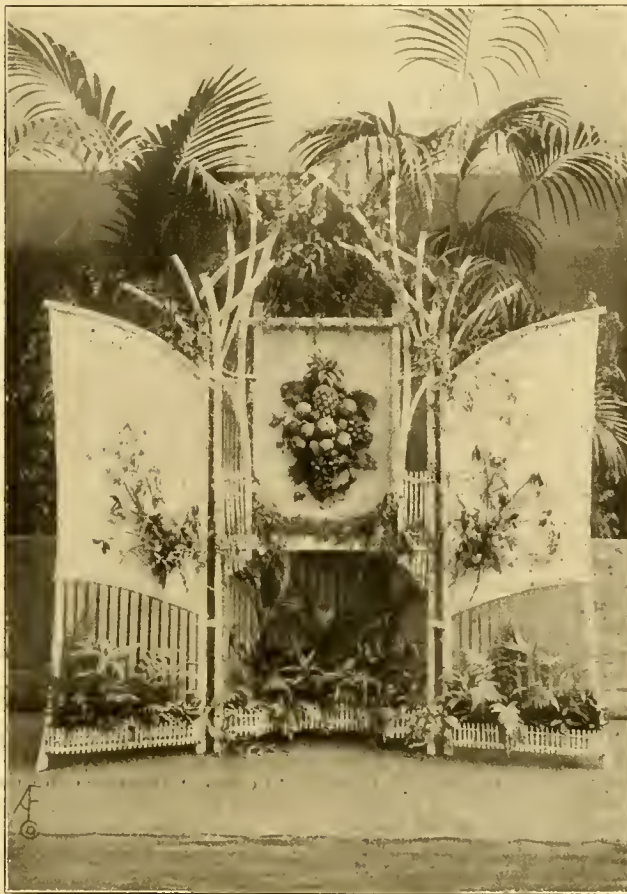
PLANTER.

The varieties on our list that seem to be in greatest demand are Bubach, Gandy, Haverland, Kittie Rice, Marshall, Miller, Parsons' Beauty, Pocomoke, Sample, Senator Dunlap, Warfield and Wm. Belt. Of course this bars out all the newer varieties, some of which may in time rival or supersede the older ones.

M. CRAWFORD CO.

ST. BERNARD, LA.—J. H. Warriner, formerly of Chicago, who leased Saxonholm for a period of five years, has already started developing the place. Mr. Warriner will truck farm and raise fruit on an extensive scale.

CRESCENT CITY, FLA.—W. D. Carrier has gone to Oneco where he will take a position in the Royal Palm nurseries of Reasoner Brothers.



FLORAL ARRANGEMENTS AT DUSSELDORF.—FIG. 2.

THE RETAIL TRADE

Floral Arrangements at Dusseldorf.

The most prominent individual show of all shows arranged by the International Horticultural and Floral Exhibition of Dusseldorf, Germany, 1904, was undoubtedly the international one held September 17-20, the arrangement of which had been placed in the worthy hands of J. Olbertz, of Erfurt. Many hundreds of exhibits in all possible shapes and sizes were represented and filled a number of spacious halls. Not only most parts of Germany, but also foreigners were represented at this show. How extensive the number of exhibitors was may be seen from the fact that at the time of the exhibition not a single orchid flower could be obtained anywhere else throughout Europe. All that was available in this line had been bought up by one single firm, which in turn sold to the exhibitors. As a proof of the appreciation of the general public it may be mentioned that the exhibition was visited September 18 by 50,000 people. Such a number has never been reached since.

Florists from all parts unanimously agreed that a similar exhibition of floral art arrangement, either in this or any other country has never been known. From various towns combination exhibits had been arranged. For instance, the flower stores of Cologne had arranged a reception room for the visit of the emperor. It represented a large pavilion of about 1,200 square meters. Before an arranged imperial

throne in the background of the pavilion was spread a table in horse-shoe shape, on both sides of which the most various flower exhibits and arrangements had been used by the way of decoration. Figure 1 represents one of these combination displays. A flower gift for the German empress, for which an award of 1,000 marks had been set, was an interesting feature. A great many exhibitors competed for this group.

Figure 2 shows the competitive work of Joh. Mortensen, of Hamburg, who was awarded the second prize. On an effective stand was arranged in three distinct parts flowers, plants and fruit in a most effective manner.

New Brunswicker's Random Comments.

In a climate where one is snowed up for four or five months and the outside temperature varying from the freezing point down to 44° below zero, one is inclined to become pessimistic and, like the Job of the Bible, curse God and die, or be reminded of Barnum's advice: "First vocation, then location." In the latter we erred. But what an inspiration the spring has after passing through this ordeal and one becomes an optimist. Old things pass away and all things become new. We suppose that all occupations have their drawbacks, the only difference being that we do not see them. One of the attractive features in the florist's business is that it is fascinating and does not need a large outlay to start in a small way. Another, it is healthful. If the old

proverb is correct, "Variety is the spice of life," we can easily enumerate many of the changes in the occupation of gardening. Propagating by grafting, budding, hybridizing, seed sowing, cuttings, in-arching, layering, and division; training, disbudding, potting and planting; cutting and arranging flowers and designs; plumbing, carpentry, masonry and painting; stoking, digging, hoeing, raking, pruning, etc., etc.

These are some of the pleasant features and changes in our chosen calling. What about trades in comparison? A man is at one thing each day, month or year, and thus he becomes like the machine he is operating, tiresome and monotonous. To return, the first thought of extreme cold and the fuel bill of some hundreds of dollars requires all the judgment one possesses to economize fuel, and I am reminded again of the old adage, "Economy study, but don't be mean; a penny may lose a pound." So it is with firing and the florist's business. To overdo is as bad as to underdo, but I would prefer the minimum to the maximum. I remember forty years ago, when working in an English nursery, reading in one of the magazines of that day to beware of a high night temperature if one does not want drawn, sickly, insect-infested plants. This is a lesson I have never forgotten, and I consider it as good doctrine today as then. Even tropical plants are better at 60° than 70° during midwinter, with few exceptions. I remember when in the employ of the late C. H. Hovey, of Boston, Mass., some thirty years ago, we had an old night fireman, an Irishman, of course. We who had charge of the different departments often made charges against old "Con." for having the temperature too high; that he must be guided by the thermometer or the weather. "To hell with the thermometer," was often his answer; "I will keep good fires anyway."

What a blessing the automatic ventilator's advent! I have always detested a high night temperature, even in my bed room. My contention is that the night fireman, where the plant is any way extensive, should pay particular attention to the judicious use and management of the fires to keep the different departments right during the variations of the weather, that the employee's and employer's interests are the same, and the sooner the two see it in this light the better for all concerned. NEW BRUNSWICKER.

New York.

STOCK VERY PLENTIFUL.

The week opened with trading dominated by the same conditions as existed last week, plenty of stock of all kinds and a demand a long way short of what should be normal for the time of year. Few lines show anything in the way of a demand approaching activity, and cleaning up is hard. Roses are stronger than anything else in the market but they do not command other than ordinary prices, while the quality in general is excellent. American Beauty in fancy grades move briskly, but the shorter stemmed gradings are not taken as freely as might be expected. Bride and Bridesmaid roses sell well, extra selected specials bringing as high as \$15, but the bulk of business in specials

is done at \$12. In the long stemmed gradings the pink variety sells best, but in short stock the white is the better seller. Bulbous stock continues to arrive in great quantity and moves very slowly. Prices, however, which are practically unchanged, do not appear to influence sales, and concessions are not sought. Golden Spur narcissus is very plentiful and brings \$2 to \$4. Carnations are more plentiful than ever, and fancy stock to bring the maximum 6 cents must be fine indeed. Violets continue to arrive in quantities larger than can be taken, and a good deal of fairly fresh stock goes off at the minimum figure. Friday and Saturday of last week, and Sunday also, being bright days with a bearable temperature, brought out quite a number of frozen up street merchants, and some movement was given to a congested stock approaching the stale point. Prices necessarily were borne down for this outlet, as instanced in one sale recorded, 60,000 for \$60. With the old stock out of the way the street merchant is becoming a factor in sales made at the minimum mark. Milder weather is now promised this section by the weather man, and if it is only accompanied by sunshine a reaction must result and business reach the level customary at this time of year.

Market, February 22.—There is no change in the condition of the market or prices. Carnations and long stemmed grades in roses are dragging.

NOTES OF THE TRADE.

The hours for bowling by the Florists' Club have been changed; 4 to 8 p. m. every Monday being now the arrangement. The change does not suit the commission men, as Monday is, almost generally, the day for making returns to growers. It is probable that a further change will be made. The proposition made by the outing committee to have the outing this year at Glenwood, a Hempstead Bay resort, June 28, is meeting much favor, and will probably be accepted at the club's next meeting.

John B. Nugent, Jr., is receiving the congratulations of his fellow members in the New York Florists' Club, as chairman of the house committee, on account of the admirable arrangements made for entertaining the large number in attendance at the club on ladies' night last week. The rooms of the club are inadequate for large gatherings of this kind, but both entertainment and lunch went off without a hitch or a wait.

John Gunther, who has charge of the office of his brother W. H. Gunther, has been confined to his room for over two weeks with the grip. On Saturday his malady was found to have developed into typhoid fever, and he was removed to St. Vincent's hospital.

Thorley had some fine specimen plants of rhododendrons in flower in his window display last Monday. In the same window also were some flowering plants of pink camellias in grand condition.

The Daheim red carnation, grown by F. R. Pierson Company, Tarrytown, filled a vase on President Roosevelt's table at the dinner of the Hungarian Republican Club last week.

Julius Roehrs is sending in some fine purple lilac, the sprays thick in foliage.

The Saturday dollar box of flowers continues to be a leading window feature of certain Broadway stores.

Chicago.

THE MARKET.

Conditions have been variable for the week, some days opening with a strong demand, others lagging deplorably. The week has averaged fair, however, and dealers are generally satisfied. Shipping conditions are improving, the weather having opened up considerably since our last report. Roses continue to increase in supply, except American Beauty and Liberty which are practically out of the market. The American Beauty that are being cut are generally of indifferent quality but the teas average fair. Carnations, except red and fancy white are growing quite plentiful but the demand has hardly been running up to the supply. Violets have been selling well and are in good supply. Bulbous stock is nearing the glutty stage, since carnations have become so plentiful. The local retail trade has been quiet, owing, no doubt, to the untoward weather conditions which have prevailed for the past fortnight.

NOTES.

Jensen & Dekoma is the name of a new firm of local growers, they having purchased the greenhouse establishment of Matson & Kron, at 631 W. Foster avenue, consisting approximately of 45,000 square feet of glass. J. E. Jensen, one of the partners, was formerly with the J. D. Thompson Carnation Company.

A number of the Florists' Club bowlers are in attendance at the national bowling convention in Milwaukee this week. Charles Stevens, the S. A. F. champion is a member of the Brunswick Juniors, a contesting team.

Charles McKellar received a special consignment of orchids from the Summit, N. J., growers this week. Orchids are becoming a staple with the local retail trade.

The Florists' Club held its regular meeting on the evening of February 23. E. G. Routzahn was on the programme with a paper, "How to Beautify Chicago."

Peter Reinberg's American Beauty cut is holding out in good shape. Foreman Collins promises that it will continue for some time to come.

The Flower Growers' Market reports a good month to date. Their growers and consignors are not being embarrassed for want of stock.

The demand for carnation cuttings is lagging. With the opening of spring and better shipping conditions will produce better results.

E. C. Amling has been having a good shipping run. His stock, especially in roses, has been uniformly good.

Henry Wiator recently donated \$7,000 to the building fund of the St. Henry Church at High Ridge.

Mrs. Leonard Kill is improving rapidly in health, after a siege of nearly a month.

Philadelphia.

THE MARKET.

Business has improved somewhat but the weather continues so cold and blustering with so much snow that transient trade is much interfered with.

American Beauty roses are a little more plentiful but specials are still quoted at \$7.50 per dozen. Liberty are hardly keeping up with the demand. Carnations are selling very well, there being but little surplus with \$2 for the bottom price for anything worth having. White were very scarce the beginning of this week, \$3 being the price for only fair stock. Freesia moves well at \$3 to \$4 and for the extra \$5 per 100. Cut lilac in bunches is in good demand at from 75 cents to \$1.00 per dozen sprays, the bunches bringing from 75 cents to \$2 according to size. Harris is sending in stock which in foliage, fragrance and body is almost, if not quite equal, to the outdoor flowers of spring. Quite a business is now being done with blooming plants, etc. Gardenias came in with a rush last week and sold as low as \$1.50 per dozen for very fair stock. Robert Craig & Son have now some very fine stock in 6-inch pots with several flowers open and plenty of buds. These should sell well.

FLORISTS' CLUB.

It has been decided by the committee having the matter in charge that the next meeting of the Florists' Club of Philadelphia, to be held Tuesday, March 7, will be rose night. The members of the club are anxious to see all the novelties among roses that are likely to become popular. All those having such are invited to bring them to this meeting, or if it will be impossible to do so, kindly forward same by express, prepaid, in care of David Rust, Horticultural hall, Broad street, Philadelphia, Pa.

EDWIN LONSDALE, Sec'y.

NOTES.

Asparagus plumosus sprays from Florida are being sent to this market; they are all right and until the business is overdone should prove profitable to the grower.

The inaugural ball at Washington is taking quite a lot of plants both foliage and flowering. Messrs. Craig & Son and W. K. Harris are sending some of their best stock to Small who has the contract.

Mergenthaler, of Germantown, is adding an extensive range of glass. He reports his new retail establishment as going ahead of his expectations.

Robert Craig says he planted 2,000 Scottii ferns instead of 1,000 as stated and would have planted more but could not get them.

The Leo Niessen Company is pushing bulbous stock along and handling immense quantities of daffodils, narcissus, tulips, etc.

There must have been some extra shipments of dagger ferns to this city recently as all the wholesale men are pushing them.

The Philadelphia Cut Flower Co.'s valentine blotter made a great hit.

Fred Ehret is handling Faust's Adiantum Croweanum.

K.

Boston.

MARKET SHOWS BETTER TONE.

The market at last shows a decidedly better tone, prices of all lines having stiffened up. Daffodils both single and double are short and good tulips are scarce. Colored carnations are very short and have been all winter. While red roses have in previous weeks been rather short, the demand seems at last

to have swung the other way, and white roses of the better varieties are scarce. Violets and Easter lilies are holding their own both in price and quality. The usual increased trade on St. Valentine's day was not in evidence this year, as the morning was exceptionally cold and but very few flowers were brought in.

NOTES.

A large number of people attended the jonquil sale held by the well known author, Mrs. Margaret Deland, at her residence on Newbury street. For the past ten years Mrs. Deland has held jonquil sales, the proceeds being devoted to some special charity. She has always grown the plants she sells, and although their care takes up a good deal of her time, she says that the pleasure she has received from attending to them has more than repaid her.

The following new members have been voted in by the Massachusetts Horticultural Society: William J. Hoyt, of Manchester, N. H.; Frank A. Day and Henry B. Day, of Newton; Mrs. Susan E. Franch, of North Easton; Miss Susan W. Hardy, James J. Storrow, Gardiner M. Lane, Thomas P. Beal and David Loring, all of Boston, and James Stuart, of Brookline.

Doyle, the florist, has had on exhibition at his Beacon street store the past week, the vase of 50 carnations which won the prize at the carnation show at Horticultural hall last week, they being grown by William Nicholson, of Framingham.

Michael J. Norton, of Park street, supplied the decorations for the dinner of the Massachusetts Fish and Game Protective Association held at the Coppley Square hotel last Thursday.

J. J. Comley, of Newburyport, has had his whole stock ruined by a leak in the gas main, the gas being carried through the ground and entering his greenhouses.

Galvin, the florist, furnished some elaborate decorations for the Gaskill-Daw wedding at King's chapel on Saturday.

The George A. Sutherland Company recently employed a new wire worker, Joseph Kadlex, formerly with Jansky. Nicholas F. McCarthy and William J. Elliott are expected home from the West Indies trip next week.

Henry A. Robinson & Company are placing some very fine ferns on the market the present week.

Henry Penn, of Bromfield street, has just put on a fine new delivery wagon.

H. P. S.

Baltimore.

THE MARKET.

There is not much change in the conditions of the cut flower trade, the demand being not excessive, hardly normal, but keeping fully up to the supply in most cases. Through the week good roses have been exceedingly scarce; American Beauty practically unobtainable in the local market, and all other sorts barely sufficient for daily calls. There was not enough good stock on St. Valentine's day to go around and many more roses, lily of the valley and violets would have been promptly, even eagerly, taken up. Carnations increase in numbers and show marked improvement in quality. Single violets are growing in popularity. The weather

shows fair symptoms of vernal changes. One or two more snow storms, cold winds, sleety streets, and then slush for a few hours in the middle of some days, make up another week of doleful and business-depressing experience; but with it all there have been some few days with bright sunshine and some little warmth, which draw people into the streets.

S. B.

St. Louis.

The market this week has held its own. The first part of week was very cold. Violets on St. Valentine's day brought 75 cents per 100. Owing to the intense cold the shipments did not arrive till late in the afternoon of the 14th, then they were too late to be of any service for that day. Now they are selling at \$3 per 1,000 and in clean up sales at \$2 per 1,000. Carnations are now plentiful, especially colored. White has a tendency to be scarce. Roses are scarce, although a trifle more plentiful than last week. Lilies are in good demand and sell readily if they are in good condition. A good many Harrisii lilies are badly bruised and some better method of packing should be found by the growers in order to avoid this. Smilax and asparagus are selling well.

Ostertag Brothers report trade good, especially in funeral work.

S. H. Hibbert, of De Soto, Mo., was a visitor this week.

James Arata with Young & Son is slightly indisposed.

V.

Cincinnati.

The exhibition of roses at the rooms of the Florists' Society last Saturday was a success in every particular. The blooms exhibited were first class and the exhibitors might well feel proud of their efforts. Judge Theo. Beck, of Hamilton, O., awarded the premiums and his decisions gave satisfaction in every class. W. K. Partridge received first for best general display, also on Bridesmaid, Ivory, Golden Gate and Liberty, and second on Meteor. George & Allan, first on Meteor and Perle; second on American Beauty and Bride and third on Bridesmaid. Gus Meier was first with Bride and second on Bridesmaid. Peter Weiland was third on Bride. A vase of the new rose Uncle John was also shown by Peter Reinberg.

There has been a good business in the shipping line although local florists have not been very busy the last few days. Carnations are increasing in quantity but the supply of roses is not up to the demand. Violets are fine and sell well. Bulbous stock was never better and there is a good market for lilies. Asparagus and smilax is selling well and the supply is diminishing.

Clarence Olmer who has been ailing for the past six weeks, is again able to be about and has resumed his duties at E. G. Gillette's commission house.

Julius Baer is busy fitting up his new store and when finished he will have the finest store in this city.

A. O.

HUNTSVILLE, ALA.—Gustav Hoffman disappeared some six weeks ago and his effects have been attached and sold, not realizing enough, however, to pay debts.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.
Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send
the old address at the same time.

AND don't forget that prices for
plants and flowers must pay those below
zero coal bills.

Effect of Soot on Lilies.

ED. AMERICAN FLORIST:—

What are the effects of soot on lilies,
mixed in the soil and applied in liquid
form? I have tried it in liquid form
on early Harrisii lilies, and all the tips
of the leaves died or turned brown.
Was the liquid too strong—I used a
bushel of soot to a barrel of water?

BEGINNER.

The effect of using too strong a solu-
tion of soot is noticed in the tips of
the leaves turning brown within a week
after using. The remainder of the
plant seems unaffected. Soot is danger-
ous to use on lilies and we do not advo-
cate its use.

O.

Hyacinths and Narcissus for Easter.

ED. AMERICAN FLORIST:—

How long will it take to bring in hya-
cinths and Narcissus Von Sion for
Easter in a greenhouse with a temper-
ature of 55° at night and 70° in the
daytime?

W. D.

Hyacinths and Narcissus Von Sion
will take about a month in a green-
house with a temperature of 55° at
night and 70° in the daytime to come
in for Easter. Easter comes so late
this year, however, that if a cool green-
house is available, hyacinths and nar-
cissus, by adopting the usual methods,
would come in just about right if left
there; but if, as the inquiry suggests,
a greenhouse with temperatures as
stated is what the grower has at his
disposal, he will not be far wrong by
putting them in the greenhouse a month
before Easter.

DAVID MCINTOSH.

That Misfit Glass Tariff.

ED. AMERICAN FLORIST:—

Since the cost of glass is one of the
chief items in greenhouse construction
and repair, it would seem as though the
florists ought to be unanimous in push-
ing any measure which promised to
bring about a reduction in the price of
that article. There ought to be no ques-
tion that a reduced tariff would enable
us to buy cheaper glass. The "protec-
tion of infant industries" has been a
cloak used to cover a great many unjust

exactions; and while I confess to a
great deal of ignorance of the exact
facts in this case, the general impres-
sion certainly is that the glass business
in this country is dominated by a trust,
and that except for foreign competition
we are absolutely at the mercy of this
trust.

Whether Mr. Smith is correct as to
the margin there is in this business,
must be a mere matter of conjecture to
the most of us; but as glass has been
manufactured on an extensive scale in
this country for a great many years,
the glass industry ought by this time to
get along without protection. Any
movement on the part of the florists
must be very general and simultaneous;
and it must also be made at the right
time, if it is to have any effect, because
the glass manufacturers are certainly
alive to their own interests, and are
going to use every effort to secure a
continuance of the protection they have
so long enjoyed. Our senators are so
strongly entrenched, as a rule, that
many of them would feel they might
safely ignore the protests of their flor-
ist constituents; but it certainly ought
to have a great influence upon the
actions of the representatives, if every
florist in the country would write the
member from his district urging that
some action should be taken upon this
question. So far as we are concerned in
this immediate locality, the question of
freight is fully as vital as the question
of the tariff; but we would hail with
delight the prospect of any relief in
either direction.

J. A. VALENTINE.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

A. E. Mauff, Denver, Col., submits
for registration *Nephrolepis Bostonien-
sis* Mauffii. A sport from *Nephrolepis*
Bostoniensis. Described as a stronger
grower, the fronds arching and forming
a double curve; pinnae strikingly undu-
lating.

Introducers of new varieties of plants
home-raised or imported, whether mem-
bers of the society or not, are earnestly
requested to send to the secretary a list
giving name, origin and description of
such new plants, to be disseminated
during 1905, for the purpose of record
in the annual report of the society.

WM. J. STEWART, Sec'y.

Meetings Next Week.

[Secretaries of societies are requested to
send us advance information of special meet-
ings, and of changes in dates of regular
meetings.]

Baltimore, Md.—Gardeners' Club of
Baltimore, Royal Arcanum building, 18
W. Saratoga street, Monday, February
27, at 8 p. m.

Boston, Mass.—Massachusetts Horti-
cultural Society, Horticultural Hall,
Saturday, March 4, at 11 a. m. Lecture
on "Some Aspects of Hardy Flower
Culture," by A. Herrington.

Cleveland, O.—Cleveland Florists'
Club, Progress Hall, 244 Detroit street,
Monday, February 27, at 7:30 p. m.

Detroit, Mich.—Detroit Florists' Club,
Cowie building, Farrar and Gratiot
avenue, Wednesday, March 1, at 8 p. m.

Grand Rapids, Mich.—Grand Rapids
Florists' Club, Board of Trade rooms,
Pearl street, Monday, February 27.

Holyoke, Mass.—Holyoke Horticul-
tural Society, Wednesday, March 1.

Manchester, Mass.—North Shore Horti-
cultural Society, Friday, March 3.

New Bedford, Mass.—New Bedford
Horticultural Society, Tuesday, Feb-
ruary 28, annual supper.

Oceanic, N. J.—Monmouth County
Horticultural Society, Friday, March 3.

San Francisco, Cal.—Pacific Coast
Horticultural Society, Saturday, March
4.

Utica, N. Y.—Utica Florists' Club,
183 Genesee street, Thursday, March 2,
at 8 p. m.

Worcester, Mass.—Worcester County
Horticultural Society, Horticultural
Hall, Thursday, March 2, at 2:30 p. m.
Lecture on "The Missouri Botanical
Garden and its Work," by Edmund A.
Engler, illustrated by stereopticon.

Advertising in a Trade Paper.

There is no exaggeration in the claim
that the trade journal provides the
cheapest and most effective means of
introducing many articles of merit.
Everyday experience proves the accu-
racy of the assertion. But it does not
mean that the average merchant who
is well stocked is going to buy at once
because he has seen an advertisement
that has interested him, nor that he will
do more, as a first step, if he needs
goods of the class advertised, than
send in the usual inquiry for samples,
or further information, which, if found
satisfactory, will justify his giving an
order for a new article.

The wisdom of keeping an advertise-
ment before the trade is more than
obvious. Goods that are already well
known are kept to the front in this
way, and some of the most liberal
advertisers in trade journals are manu-
facturers who have nothing new to sell,
but who appreciate the importance of
competition, and who will not permit
competition to obscure, by their own
neglect of advertising, the merits of
the goods they offer.

To establish the sale of a new article,
although aided by the intelligent rec-
ognition of novelty and improvement
on the part of the retail merchant,
surely calls for patience and liberality
in dealing with the organs devoted to
trade announcements, but which is jus-
tified by results, as the success of well
conducted trade journals makes abun-
dantly manifest. And as a class of pub-
lications taught by their own interests,
trade journals do excellent service to
their advertisers by their fair and mod-
erate presentation of information in
their reading columns. In brief, they
do everything but show the goods
offered for sale in the store of the
retailer, and at a reasonable price
charged exclusively for advertisements.

All well conducted trade papers pre-
serve their independence; they have not
a line of reading space for sale. They
make no pretensions to do more than
has been mentioned, but they do their
work well, with beneficial results to all
concerned, provided what is offered is
meritorious and a reasonable persist-
ency maintained in placing it before
the trade.—Trade Press List.

IN sending in a change of address it
is important that the old address be
given as well as the new. This will
greatly aid us in locating your name
on our mailing list and prevent delay in
making the desired change.

SITUATIONS, WANTS, FOR SALE.**One Cent Per Word.****Cash with Adv.****Plant Advs. NOT admitted under this head.**

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—By a first-class rose grower, age 25. Can give good references. Address Box 170, care American Florist.

Situation Wanted—By a good rose grower; can show best of references. Please state wages paid. Address Box 165, care American Florist.

Situation Wanted—By an all-around grower, middle aged, west preferred. State wages with and without board. Address Box 173, care American Florist.

Situation Wanted—By young man desiring to learn the trade; prefer growing roses and carnations. Full particulars given on receipt of address. Box 171, care American Florist.

Situation Wanted—In small place, as carnation, rose and 'mum grower, able to take charge, aged 28, can show first-rate references. Address Box 168, care American Florist.

Situation Wanted—By gardener and florist; German, single, age 29. Good experience in greenhouses and landscaping. Cyclamen growing a specialty. Address Box 169, care American Florist.

Situation Wanted—By competent gardener, thoroughly experienced in all departments, is open for engagement after March 1, private place preferred. Address Box 177, care American Florist.

Situation Wanted—By experienced florist, 23 years old, Hollander, good grower of roses, carnations, 'mums and general line of pot plants; first-class references. Address Box 166, care American Florist.

Situation Wanted—On a private or commercial place, by an experienced young man, single, 25 years of age; life experience in all different branches, and able to take charge. Address Box 164, care American Florist.

Situation Wanted—By a young German florist; 12 years' experience in greenhouse work, retail flower store, decorating and design work. Please state wages. F. Y. WILHELMS, 935 Pulaeki St., Milwaukee, Wis.

Situation Wanted—By practical florist; 12 years' experience on commercial places. German-American, age 28, married, no children; best of references. Near Boston preferred. A. KOCH, 637 Stevens St., Lowell, Mass.

Situation Wanted—By florist, speaks German and Hungarian, good experience in all departments, can grow good roses, carnations, trees. Diploma from Budapest, Hungary. Address THOMAS MADARASI, 1011 W. Thomas St., South Bend, Ind.

Situation Wanted—As working foreman, 33 years of age, single, reliable, sober, German, 19 years' experience in roses, carnations, bedding, design, landscape, vegetables, etc.; best of references. Please state wages. Address Box 163, care American Florist.

Situation Wanted—By French gardener, 80 years old, single, sober, life experience in all branches. American private place in east preferred; can furnish first-class references. Address B. GUERRY, Hotel of Paris, Eighth St., near Olive, St. Louis, Mo.

Situation Wanted—By a No. 1 florist as foreman or manager, 20 years' experience, married, 40 years of age, good designer and decorator, strictly temperance; good salary expected, good up-to-date place wanted, southwest preferred. Address Box 180, care American Florist.

Situation Wanted—By German florist age 24, single, life experience in roses, carnations, 'mums and general stock of bedding and decorative plants; neat and quick worker, as grower or assistant with chance for advancement. References. Please state full particulars. Address Box 178, care American Florist.

Situation Wanted—By AI grower of roses, carnations, 'mums, palms, orchids and general line of bedding plants, also vegetables; married, no children; capable of running any size place profitably; can build and equip greenhouses if necessary. State particulars in first letter. Address Box 159, care American Florist.

Situation Wanted—By practical florist; German, single, life experience as working foreman. Can handle men successfully with best results. Good grower of cut flowers and general stock of bedding and decorative plants. First-class propagator. Good quick worker. References. Please state full particulars. Address Box 176, care American Florist.

Help Wanted—Good rose grower and general greenhouse work. Address C. H. FREY, 1133 O St., Lincoln, Neb.

Help Wanted—Single man for cut flowers and bedding plants. THE F. BLONDELL Co., Oak Park Ave. and Augusta St., Oak Park, Ill.

Help Wanted—Grower with experience in roses and carnations, single man preferred. Address MRS. A. M. SCHAFER, 229 Balmoral Ave., Chicago.

Help Wanted—Grower's assistant, young man with some experience in cut flowers and general stock. Address M. M. STRONG, Sioux Falls, South Dakota.

Help Wanted—A reliable man to take charge of small place, to grow carnations, roses, 'mums, violets and general stock. Address E. POWER, Frankfort, Ky.

Help Wanted—An assistant for carnations and violets, must be sober and steady and not afraid of work. Address HUON CHESNEY, Farmington, Conn.

Help Wanted—Good counter man in seed store, must understand gardeners' requirements; give references, age, qualifications and present condition. J. A. EVERITT, Indianapolis, Ind.

Help Wanted—Young man with experience in bedding and pot plants, must be a hustler to hold job. Give references and state wages required. Address C. R. HILLS, Grand Rapids, Mich.

Help Wanted—Gardeners, 25 to 30 years of age, with some knowledge of landscape gardening, good wages; only good workers need apply. Address C. G. DE WEVER, Head Gardener, Lewis Pub. Co., St. Louis, Mo.

Help Wanted—Florist and gardener; middle-aged, single German preferred. Will give charge and steady position to a good man. Write for particulars to JOHN FEIDEN, Great Falls, Mont.

Help Wanted—Working foreman, 25 to 30 years of age, with executive ability, capable of handling men, acquainted with landscape gardening. Address C. E. DE WEVER, Head Gardener, Lewis Pub. Co., St. Louis, Mo.

Help Wanted—Specialist to grow pot roses to perfection (in bud and bloom) for the wholesale trade. There are over 50,000 in all the best varieties in 4 to 7-inch pots. Unquestionable references or testimonials required. Address N. STUBER, Washington, D. C.

Help Wanted—A florist who understands roses, carnations, 'mums and general stock. Young single man preferred. Wages \$7.50 with good board and room. References required. State particulars in first letter. J. H. KRONE, Jr., Fort Smith, Ark.

Help Wanted—Gardener and florist, a man capable of taking charge of vegetable garden and flowers on our grounds, single man preferred. Address giving experience, references, age and salary expected, we to furnish room and board the year round. C. H. STIMMON, Hotel Mgr., Mudlavia, Kramer, Indiana.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Help Wanted—Young single man as gardener and florist on private place at Lake Minnetonka. Must be bright, pleasant, sober and neat appearing; able to handle men and keep grounds, gardens and greenhouse in proper shape. Good treatment and pleasant place to work. Give experience and references in first letter. Place open April 1; Wages \$35.00, board and lodging. Address D. W. DESMOND, St. Bonifacius, Minn.

For Sale—Ballard's Greenhouse, \$750. Perry, Iowa.

For Sale—Retail flower store; good location, Chicago. Box 131, care American Florist.

For Sale—About 9,000 square feet glass, good dwelling, one acre ground; no competition. Reason for selling, rheumatism. Address B. W. WILLIAMS, Greenville, Pa.

For Rent—\$50 per month, five greenhouses, 9,000 square feet of glass, nine and one-half acres of good ground, house and barn, long lease, \$1,000 cash for stock, etc., near Chicago. Address Box 152, care American Florist.

For Sale or Lease—For a term of years, a modern greenhouse plant of 25,000 sq. ft. of glass. Stable, cottage and hen houses. Situated in a pleasant Massachusetts village. Address Box 174, care American Florist.

For Sale or Rent—Opportunity for capable man, with or without capital, greenhouses to rent or buy, \$600 for stock and \$500 a year for rent, or \$8,000 to buy. Will make payments possible to right man. Address Box 167, care American Florist.

For Sale—First-class greenhouse property in good condition, 8,000 square feet of glass, more or less, 100 miles south of Chicago, main line \$4,000, \$1,000 cash, balance on time, or will exchange for good improved farm, south preferred. Address Box 179, care American Florist.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale—A greenhouse property in a flourishing town of 8,000 inhabitants in the state of Indiana; houses stocked with roses, carnations, miscellaneous stock and bedding plants; a separate store building in front of greenhouses. For particulars address Box 162, care American Florist.

For Sale—Nurseries of three acres, including 12,000 feet of glass; heated with hot water, fully stocked with palms, ferns and house plants; 24,000 feet of lath house, 5,000 smilax, 500 Asparagus plumosus, etc. The site is on the bon-ton street, twenty blocks from business section. For further particulars and price address HOUSTON, LOCK & BROWN, 715 Braly Building, Los Angeles, Cal.

For Sale—Having decided to retire from the greenhouse business we are going to sell our entire plant at a bargain, consisting of 12,000 square feet of glass, all built new and up-to-date, heated with steam, complete for carrying on retail or wholesale business, two dwellings, barn and all equipments for running a first-class establishment; been established 12 years in a city of 10,000; no competition, elegant retail trade, plenty of land for enlarging. For particulars address Box 172, care American Florist.

UNUSUAL OPPORTUNITY.

For Sale—Greenhouse property, stock and retail business, consisting of eight greenhouses and store, about 22,000 feet of glass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philadelphia, right in center of a growing population. Doing a first-class retail business. A splendid opportunity; only \$3,500 cash required, remainder can remain on mortgage at 5 per cent. To close an estate. Box 114, care American Florist.

Florist Wagon For Sale.

Built to order of the very best material, seat and sides upholstered in leather, two windows on each side, double plate beveled glass, color of painting, body dark Prussian blue with gold trimmings, silver trimmings on hubs, shafts and running gear, wheels painted vermilion red with black stripes, silver side lamps, eight movable shelves inside, everything first-class and cost \$235 eighteen months ago; rubber tires. All guaranteed as represented. A fine wagon for florist in large city; is very attractive. Will give six months' credit to responsible party. Have three others and can do without it. Price \$75. WALTER BUTLER, Florist, Chillicothe, O.

Wanted...

For a considerable establishment in Germany; nurseries and greenhouses; cut flowers a specialty.

FIRST-CLASS MANAGER, GERMAN.

30 to 40 years, evangelic, best recommended, must understand management in general and special growing of roses and carnations. Wages, \$75.00 per month, share in profits, free lodgment and fuel. A permanent position to the right party. Apply at once. Copies of testimonials and references in first letter. Address Box 158, care AMERICAN FLORIST.

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American Florist

IS PAID FOR
CIRCULATED
AND READ.

San Francisco.

ROSE SHORT IN SUPPLY.

We were treated to splendid weather the past week. The scarcity of roses still continues. All kinds seem to be off crop at present. This scarcity helps to move the large quantity of carnations which are arriving. Some of the fancy varieties took a drop this week. The warm weather last week put the Lawson a little off color. Flamingo also did poorly. The retailers claim this variety does not keep as well as would be expected. Some Harrisii lilies are coming in, but not very freely as yet. The mild weather has thrown plenty of bulbous stock into bloom outdoors, such as tulips and Dutch hyacinths. Orchids are going freely, with prices firm. Smilax is bringing from \$1 to \$1.50 per dozen strings. Shipping trade was not up to the standard of former years owing in a great measure to the mild winter in the north and the carelessness of the express companies in overheating of the express cars. The complaint is very general in the latter case.

NOTES.

Joseph Thompson, head gardener to Dr. Tevis, has a great showing of hyacinths. There are many thousands planted here of almost all varieties. The greenhouses contain a fine collection of decorative plants. Dr. Tevis is about to begin work on the new aquarium which he is presenting to Golden Gate park. It will be the finest in the world, costing over \$3,000,000.

H. Plath, probably the largest grower of decorative plants in this vicinity, has all his houses in splendid shape. His new seedling adiantum is a fine thing, but Mr. Plath says he has a newer one that surpasses them all. Mr. Plath is state vice-president of the S. A. F., having been appointed by President J. C. Vaughan.

George Nunn, gardener to S. E. Slade, at Menlo Park, has a magnificent showing of orchids and decorative plants at the recently erected conservatories. Although this is a comparatively new place, remarkable strides have been made in the way of developing the natural beauty of its surroundings.

John O'Hearn, formerly head gardener to the Hayward estate at San Mateo, has entered into a co-partnership with C. Hermann and they have erected several houses near Laurel Creek. They will make a specialty of carnations.

Otto Haefner, who for several years has been in charge of Lynch's range of greenhouses at Menlo park, has resigned. Otto made a host of friends during his stay at this establishment who regret to see his departure.

A visit to Frank Mills' place shows everything in first class shape. The large new house recently added is planted to longiflorum lilies, all of which are looking thrifty and free from disease.

Navlet Brothers, of Sacramento, are erecting several greenhouses at their recently purchased property on the Riverside road. They will be devoted to flowers for the firm's store on K street.

John Vallance, head of the plant department of the Cox Seed Company, says trade is very good with a healthy demand along all staple lines.

Joseph Joachim, recently in charge of the Jas. L. Flood greenhouses, has

accepted a place in the orchid houses of John H. Silvers & Company.

Serveau Brothers are making many improvements at their branch at Portola and are already busy at work on stock for next season.

The new iron greenhouses which Paul W. A. Grallert recently erected are giving splendid satisfaction.

Mr. Schenck, representing Lager & Hurrell, Summit, N. J., was a visitor this week. NORMA.

Pittsburg.

FLORISTS' CLUB MEETING.

The February meeting of the Florists' Club eclipsed any other like event held by the club, in point of interest and enthusiasm. The meeting produced three important features, the election of club officers for the year, the presentation of a sterling silver coffee service to the retiring president, Mr. Falconer, and a lively discussion on carnations from a commercial point of view. T. P. Langhans was elected president and is highly deserving of the honor. He will no doubt continue to create interest that will keep the club moving in the same successful direction. Following are the names of the other officers for the year: E. C. Reinaman, vice-president; H. P. Joslin, secretary; E. C. Ludwig, assistant secretary; Fred Burki, treasurer; P. S. Randolph, John Bader and Fred Burki, executive committee.

The president appointed John Wyland, W. Clark and E. C. Ludwig as a committee to render judgment on the blooms exhibited. H. Weber & Sons, Oakland, Md., displayed their prize winner which received a medal at Chicago, under the name My Maryland. The F. R. Pierson Company, Tarrytown, N. Y., showed White and Variegated Lawson. A. J. Guttman, New York, showed Victory. John E. Haines, Bethlehem, Pa., showed John E. Haines, Yellow Star of Bethlehem, and a white seedling, No. 337. A. B. Davis & Son, Purcellville, Va., showed Red Sport. J. L. Dillon, Bloomsburg, Pa., showed Crisis. G. H. Crane and A. Lorch, De Haven, Pa., an assortment of carnations; The Pittsburg Cut Flower Company showed Lady Bountiful, Fred Burki and others.

The discussion regarding carnations was participated in to a lively extent and to sum the matter up it showed that the commission and retail firms are anxious for the entry of some new pink carnation, one that will have character, size and grace. When it came to the presentation, Mr. Falconer was indeed surprised. The president outlined Mr. Falconer's valuable services to the club in a fine address. Mr. Falconer expressed his gratitude for the appreciation of his services and the beautiful gift and invited all the members to come and see him and drink a cup of coffee with him.

E. L. M.

Minneapolis.

Business has shown an increase and with a minimum amount of stock prices have advanced. Bulbous flowers are appearing more numerous than heretofore and their appearance is much welcomed.

The marriage of one of the nieces of Mr. and Mrs. Thomas Lowry, at St. Mark's church, was one of the many elaborate social functions which called

forth the decorator's skill. O. S. Swanson had the arrangement in charge. Wild smilax, palms, ferns and a choice assortment of cut blooms were used in quantities.

Ralph Latham and Will Desmond are opening a cut flower department in the Dayton dry goods store. Nothing is being spared in the way of fixtures. The location is the best on the main floor. Mr. Latham will also continue his Tenth street store.

Murtfeldt & Patthey, 826 Nicollet avenue, report a good trade the past month. They have added an attractive delivery wagon to their business since the first of the year. C. F. R.

Columbus, O.

A meeting of the stockholders of the Fifth Avenue Floral Company was held this week and the following officers were elected: C. K. Seibert, president; T. D. Seibert, vice-president and general manager; G. H. Woodrow, secretary and treasurer. This firm was organized about five years ago and has been doing a prosperous business.

C. A. Roth is doing considerable improving on a two-acre plot on the south side. He contemplates putting up some glass this spring and will grow some of his stock for the store, 5 North High street. Mr. Roth was in the growing business some years ago and for the past few years has had a desire to grow at least part of his stock.

The new park commissioners had Governor Herrick as an invited speaker this week. The governor soon convinced them by his talk that his experience and knowledge of park work was more than the board had expected, and as a consequence were greatly benefited by the remarks made. CARL.

Madison, N. J.

The Morris County, N. J., Gardeners' and Florists' Society held its regular meeting on Wednesday, February 8, in Masonic hall. The event of the evening was the reading of an essay on, "The new Varieties of the Chrysanthemum for 1905," by C. H. Totty. The paper was well received by the members and a hearty vote of thanks was tendered to Mr. Totty for his effort. It was supplemented by A. Herrington with a comparison of the European and Australian varieties as grown in America. Methods of seed saving in Australia and New Zealand were explained, and a fact stated, new to many of us, that flower buds in these places are taken in February instead of our usual time on account of the difference in geographical location.

The next meeting promises to develop much excitement. F. W. Holt, of New York, has donated a pair of gum boots, to be bowled for by the individual members of the club. After a short business session we are to adjourn to the alley and prove what we are made of. A committee composed of Messrs. Herrington, Totty and Duckham is to arrange the handicaps, so that every member will have a show to win.

E. R.

GRAND RAPIDS, MICH.—The Grand River Valley Horticultural Society met February 14. The subject for discussion was, "Horticulture at the Great Expositions."

Our Idea.

The idea on which this business is built and the idea which has built this business is that every one of our customers is a partner in the business; that the better flowers we give him, the better service we give him, the more money he makes and the more we shall make in the long run.

It is our proudest boast that some of the men who do business with us are practical florists who know good flowers from the ground up, and who buy from us because they can do better and have a greater assortment to sell from than they could profitably grow themselves.

Quality, Service and Price are our by-words. Let them be your buy-words.

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GALAX LEAVES AND Leucothoe Sprays.

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WHOLESALE AND RETAIL GREEN GALAX ASSORTED SIZES.

Price and Quality Guaranteed.

When our present stock is exhausted, Green Galax, the kind you want, will be scarce and hard to get. Better mail us your order at once.

C. W. BURLESON & SON, Linville, N. C.

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Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

Please mention the American Florist when writing.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

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a SUISNES, Brie,
Par Grisy-Suisnes. (Seine et Marne), FRANCE.

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We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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Green and Bronze Galax Leaves, 75c per 1000.

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New Crop Southern Wild Smilax now ready in limited quantities.

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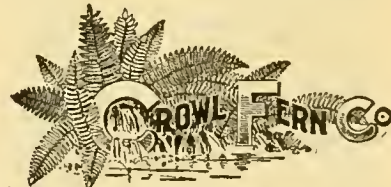
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HARDY CUT FERNS.

Fancy or Dagger Ferns, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$8.50 per case of 10,000. Laurel Festooning, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your CHRISTMAS orders now and we will please you. Branch Laurel, 35c per large bundle. Southern Wild Smilax, per 50-lb. case, \$5.50. Laurel Wreaths and Princess Pine Wreaths, made all sizes and prices. Princess Pine by the lb. and made into roping. Tell us your wants and we will name you prices.



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Wild Smilax

25 pound case.....\$3.00
35 pound case..... 4.00
50 pound case..... 5.00

ALWAYS ON HAND, AND IN ANY QUANTITY.

NONE BETTER.

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Prices Right.SPECIAL FACILITIES FOR HANDLING LARGE ORDERS.
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E. H. Hunt,**WHOLESALE****Cut Flowers****"THE OLD RELIABLE."**

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Wholesale Flower Markets

MILWAUKEE, Feb. 22.

Roses, Beauty, long, per doz.	5 00
" " med. " 2.00@ 3 00	
" " short " .75	
" Liberty.....	6.00@12 00
" Chatenay.....	6.00@12 00
" Bride, Bridesmaid.....	6.00@10 00
" Meteor, Golden Gate.....	3 00@10 00
" Perle.....	3.00@ 8 00
Carnations.....	1.50@ 4 00
Smilax.....	12 50@15.00
Asparagus sprays.....	2 00
Valley.....	3 00
Adiantum.....	1.50
Violets.....	.50@ 1.00
Callas.....	12 50@15.00
Romans, Paper Whites.....	3 00
Harrisii.....	10.00@12.50

PITTSBURG, Feb. 22.

Roses, Beauty, extras.....	18 00@25 00
" " No. 1.....	8 00@12 00
" " ordinary.....	3 00@ 5 00
" Bride, Bridesmaid.....	3 00@15 00
" Meteor.....	6 00@10 00
" Liberties.....	8.00@20 00
" Perle, Chatenay.....	3 00@ 8 00
Carnations.....	1.00@ 5 00
Lily of the valley.....	3.00@ 4 00
Smilax.....	12.50@15.00
Asparagus, strings.....	25 00@50 00
Asparagus Sprenger.....	2.00@ 3 00
Lilies.....	12 00@18 00
Adiantum.....	1.10@ 1.50
Mignonette.....	1 00@ 4 00
Daffodils.....	3 00@ 6 00

CINCINNATI, Feb. 22.

Roses, Beauty, per doz.....	1.00@ 4.00
" Bride, Bridesmaid.....	4 00@10 00
" Liberty.....	8.00@15 00
" Meteor, Golden Gate.....	8.00@12 00
Carnations.....	1.50@ 5 00
Lily of the valley.....	3.00@ 4 00
Asparagus.....	50 00
Smilax.....	10.00@12.50
Adiantum.....	1.00@ 1.50
Callas.....	10.00@12.50
Asparagus Plumosus and Sprenger	
in bunches.....	.25c per bunch
Harrisii.....	15.00
Romans, narcissus.....	3 00
Violets.....	.75@ 1.00

St. Louis, Feb. 22.

Roses, Beauty, long stem....	4.00@ 6.00
" " medium stem 2.00@ 3.00	
" " short stem... .50@ 1.50	
" Bride, Bridesmaid.....	5.00@10 00
" Liberty.....	5.00@10 00
" Kaiserin.....	5.00@10 00
Carnations.....	1.50@ 4 00
Smilax.....	15 00
Asparagus Sprenger.....	1.50@ 3 00
" Plumosus.....	25.00@40 00
Ferns, fancy..... per 1000, 2 00	
Adiantum.....	1.00@ 1.25
Violets, California.....	.40@ .60
" Double.....	.50@ .75
Lily of the valley.....	3.00@ 4 00
Romans.....	2.00@ 3 00
Callas.....	12.50@15 00
Paper White narcissus.....	3 00

CLEVELAND, Feb. 22.

Roses, Beauty, per doz.....	1.00@ 6.00
" Bride, Bridesmaid.....	4.00@10 00
" Meteor.....	4.00@10 00
Carnations.....	2 00@ 6 00
Smilax.....	10.00@15 00
Asparagus, strings.....	25.00@50 00
" Sprenger.....	1.00@ 2 00
Common ferns.....	2 00
Violets, single.....	.50@ 1.00
" double.....	.75@ 1.00
Paper Whites.....	3.00@ 4 00

SPRING IS COMING.But we are here to care for your wants in **Roses, Carnations, Violets, Valley**, all kinds of **Bulbous Stock, Smilax, Fancy Ferns, Adiantum** and in fact everything which the florist may want.**WILD SMILAX**

Our Specialty. We can supply it in any quantity.

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Wholesale Commission Dealer in

**Cut Flowers and
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58 WABASH AVENUE, CHICAGO, ILL.

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Growers' Co. Central 3067.All telephone and telegraph orders
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Wholesale Cut Flowers**LARGEST GROWER
IN THE WORLD.****Price List.**

AMERICAN BEAUTIES—		Per doz.
Extra Select.....		\$ 6 00
30-inch stems.....		5 00
24-inch stems.....		3 00
20-inch stems.....		2 50
15-inch stems.....		2 00
12-inch stems.....		1 50
Short stems.....		.75@1.25

Per 100

LIBERTY.....	\$8.00 to 15.00
CHATENAY.....	8.00 to 12.00
MAIDS AND BRIDES.....	6.00 to 10.00
PERLE.....	6.00 to 8.00
UNCLE JOHN.....	6.00 to 12.00
SUNRISE.....	6.00 to 10.00
CARNATIONS.....	2.00 to 4.00

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5.00.

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AMERICAN BEAUTIES.Cut Roses—American Beauties and all
kinds of Tea Roses at lowest prices. Trial
orders solicited.**HELLER BROS., New Castle, Ind.**
South Park Floral Company

Wietor Brothers, 51 Wabash Avenue, CHICAGO.

WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem.....	\$6.00
30-inch stem.....	5 00
24-inch stem.....	3 00
20-inch stem.....	2 50
16-inch stem.....	2 00
12-inch stem.....	1 50

ROSES.

	Per 100
Bride and Maid.....	\$ 6.00 to \$10.00
Meteor and Gate.....	6.00 to 10.00
Liberty.....	6.00 to 12.00
CARNATIONS—Good stock.....	2.00
" Large and fancy.....	3.00 to 4.00

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Careful attention given shipping orders.

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We will take care of your orders at reason-
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Flower Growers' Market.

60 Wabash Ave., CHICAGO.

Order your stock where it will be filled with
care and dispatch. The most successful growers
of cut flowers, are those who sell their own stock.
Give us your **standing order**.

PERCY JONES, Manager.

Wholesale Flower Markets

CHICAGO, Feb. 23.

Roses, Beauty, 30 to 36-in. stems	5.00@ 6.00
" " 20 to 24 "	3.00@ 4.00
" " 15 to 18 "	2.00@ 3 00
" " 12 "	1 50
" Liberty.....	8 00@15 00
" Chateau.....	8 00@12 00
" Bride, Bridesmaid.....	6 00@10 00
" Meteor, Golden Gate.....	6 00@10 00
Carnations.....	1.50@ 2 50
" fancy.....	3 00@ 4 00
Valley.....	2.00@ 4 00
Violets.....	1.00@ 1.50
Asparagus Plumosus, per string 40 to 50c	
sprays 2.00@6 00	
" Sprengerl.....	3.00@ 6 00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000, 1.25	.15
" Green, " " 1.00	
Adiantum.....	1.00
Fancy ferns.... per 1000	2.00@ 2 50
Smilax.....	12.00@15.00
Callas.....	1.25@1.50 per doz.
Paper Whites.....	3 00@ 3 50
Romans.....	3 00@ 3 50

A Daily Cut From 40 Growers

We can and will fill your Cut Flower
wants to advantage.

Plenty of **BEAUTIES,**
MAIDS, BRIDES, etc.
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If you want Choice Cut Flow-
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WESTERN HEADQUARTERS FOR CHOICE

ORCHIDS, and all **BULBOUS STOCK,**
VIOLETS, BEAUTIES, TEA ROSES, and
CARNATIONS. Wild Smilax, Asparagus,
Adiantum, Smilax, Fancy Ferns always in
abundance. Also a complete line of all Florists'
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The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

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All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.

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Asparagus Plumosus Nanus Seeds

These are the true variety. 75c per 100; \$6.00 per 1000.

Now is the time to buy KAISERIN and CARNOT, for early summer flowering, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000

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THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

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C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

BOSTON, Feb. 22.

Roses, Beauty, best	50.00@60.00
" " medium	30.00@45.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Extra	8.00@12.00
" Liberty	1.00@ 8.00
Carnations	1.50@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, Feb. 22.

Roses, Tea	8.00@10.00
" " extra	12.00@15.00
" Liberty	8.00@35.00
" Queen of Edgely, extra	40.00@60.00
" " firsts	15.00@25.00
" Beauty, extra	40.00@60.00
" " firsts	15.00@25.00
Carnations	1.50@ 6.00
Lily of the valley	2.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.25@ .50
" double	.35@ .80
Adiantum	.75@ 1.50
Gardenias	.16@ .20
Mignonette	3.00@ 8.00

BUFFALO, Feb. 22.

Roses, Beauty	10.00@50.00
" Bride, Bridesmaid, Meteor	2.00@12.00
Carnations	2.00@ 4.00
Harrisii	15.00
Lily of the valley	3.00@ 5.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	5.00
Violets	.50@ 1.25

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS

and Florists' Supplies.

228 Diamond St., PITTSBURG, PA.

Send for weekly price list and prices on large orders..

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FLORISTS' SUPPLIES.

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RICE BROTHERS,

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at

Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Eine absolute Nothwendigkeit!

Hiermit \$1.00 für mein Abonnement.
Es ist die Pflicht eines Jeden prompt für
den „American Florist“ zu bezahlen, weil
dieser eine absolute Nothwendigkeit für
jeden Blumenzüchter ist.

Carl Roegner, Alabama.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

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CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
FANCY CARNATIONS, TULIPS, DAFFODILS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

PHILADELPHIA, PA.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

38-40 Miami Ave. DETROIT, MICH.

BERGER BROS. WHOLESALE FLORISTS.

Bell and Keystone 'Phones.

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SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

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48 W. 30th St., NEW YORK.

Telephone 325 Madison Sq.

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CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

J. K. ALLEN,

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American Beauties, Orchids, Roses,
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CUT FLOWERS.

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Open every day at 6 a. m.

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Wholesale Commission Florists,

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Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. CORRESPONDENCE INVITED.

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Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

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JOHN YOUNG,Special American Beauties,
Surpassing Carnations,
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51 West 28th St., NEW YORK.

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Original Pioneer House—Established 1871.

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Consignments solicited. Shipping orders
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CHOICEST CUT FLOWERS.

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—FLOWERS SHIPPED BY—

John I. Raynor,Are the best product of the best growers
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ADIANTUM CROWNEANUM sold here exclusively.

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Walter F. Sheridan,

WHOLESALE FLORIST,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, Feb. 22.

Roses, Beauty, best.....	15 00@60.00
" " medium.....	3 00@15.00
" " cut's.....	1.00@ 2.00
" Liberty, best.....	10.00@40.00
" " medium.....	3 00@10 00
" " cut's.....	2 00@ 3.00
" Bride, Bridesmaid, G. Gate.....	2 00@15 00
" Kaiserin, Carnot.....	1.50@ 0 00
Carnations.....	.75@ 3 00
" fancy and novelties.....	3 00@ 6 00
Lily of the valley.....	1 00@ 3 00
Lilies.....	4 00@ 8 00
Smilax.....	8 00@12 00
Adiantum.....	.50@ .75
Asparagus.....	20 00@50.00
Tulips.....	2.00@ 3.00
Violets.....	.25@ .75

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which I can ship
ferns and decorative plants promptly.

50 W. 29th St., NEW YORK.

Tel. 3860 and 3861 Madison Square.

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Receivers and Shippers of Cut Flowers.

Consignments Solicited.

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Receivers and Shippers of

Fresh Flowers

111 West 30th St., NEW YORK.

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NEW RED CARNATION

To be Disseminated 1906. Also a Complete
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CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices:

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Steamer Gifts

Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.

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TELEPHONE MAIN 1023.

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Established 1873, L. Dist. 'Phone Lindell 196 M.

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J. A. VALENTINE, Pres. DENVER, COLO.

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C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in

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Established 1857.

The Geo. Wittbold Co.

1857 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

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Artistic Designs. ***

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Mail, telegraph or telephone orders filled promptly in best style.

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Orders will be well cared for anywhere in Minnesota and the Dakotas.

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JOHN MANGEL,
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Corner Wabash Ave. and Monroe St. CHICAGO.
Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in every shape executed with care and despatch.
Leading Chicago Retailer.

MILLS THE FLORIST,

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WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

—A TRIAL ORDER SOLICITED.—

JOHN WOLF,

Wholesale and Retail Florist,

SAVANNAH, GA.

Paper White Narcissus and
Roman Hyacinths.

\$2.00 per hundred, in any quantity.

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Cut Flowers, Floral Designs, Decorations.
Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.

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EXCLUSIVELY WHOLESALE.

REQUESTS from the trade for designs or cut flowers to be delivered at short notice in, or near Mobile or New Orleans, when made through us, will be executed with fresh stock by our retailers (Miss Maria Minge, Mobile; Mr. U. J. Virgin, New Orleans), and satisfaction guaranteed. Only high-class orders accepted.

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FLORIST
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Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

Fancy White Lilac \$1.25 per Dozen

SPECIAL PRICE ON LARGE LOTS.

Fancy Lily of the Valley, \$3.00 and \$4.00 per 100.

Tulips, \$3.00 per 100. Hudson River Violets, 75c to \$1.

Fancy Mignonette, \$6.00 to \$10.00 per 100.

Daffodils and Jonquils, \$3.00 and \$4.00 per 100.

Harrisii and Callas, \$12.50 per 100.

Carnations A fine assortment of extra well grown stock and many fancy varieties. | **Roses** Extra fine, especially in Bride and Bridesmaid.

A FULL LINE OF CUT FLOWERS

Give us a chance to figure with you on thousand lots of Roses, Carnations or large orders of any kind.

A. L. RANDALL CO. 19 Randolph St., CHICAGO.

Please mention the American Florist when writing.

DREER'S SPECIAL OFFER OF FORCING PLANTS FOR EASTER.

AZALEA MADAME VAN DER CRUYSSSEN.

As we are not handling Azaleas for Easter this season we offer a fine lot of this most valuable variety in fine bushy, well budded plants to close out quickly.

	Per Doz.	100	Each
10 to 12-inch crowns..	\$4.50	\$35.00	18 to 20-inch crowns..... \$2.00
12 to 14-inch crowns..	6.00	45.00	20 to 22-inch crowns..... 3.00

Outside of the above we have nothing left in Azaleas except a limited lot of mixed varieties in 10 to 12-inch crowns at \$4.50 per dozen; \$35.00 per 100.

NOTE.—The above prices are practically the same as those at which we book import orders, they are made low to move the plants at once, the stock is of good quality, but is limited; speak quickly if you want them

AZALEA MOLLIS.

An unusually fine lot of well-budded plants 15 to 18 inches high. A plant that is rapidly gaining favor for early and late forcing; it is profitable stock for the retailer to handle, as it can be grown at a minimum cost for heat and labor. \$4.50 per dozen; \$35.00 per 100.

DEUTZIAS for Forcing.

Strong, shapely, 2-year-old field-grown plants, suitable for 6-inch pots. Gracilis Rosea, \$1.00 per dozen \$8.00 per 100. Gracilis Lemcoinet, \$1.00 per dozen: \$8.00 per 100.

FORCING RHODODENDRONS.

For a late Easter will fill a vacancy where Azaleas cannot be retarded; they are becoming more popular every season; you will find it profitable to try these. We are carrying an extra large stock of bushy, well-shaped plants, covered with buds, 16 to 18 inches high, \$9.00 per dozen; \$70.00 per 100. 20 to 24 inches high, fine specimens, \$11.00 per dozen; \$90.00 per 100.

THE BABY RAMBLER ROSE.

Mme. Norbert Levavasseur.

The most valuable bedding rose yet introduced. A plant which will be in strong demand for a long time. We offer good plants, suitable to use for stock plants, one-year field-grown, suitable for 4-inch pots, \$5.00 per dozen; \$35.00 per 100.

DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds, Plants, Bulbs, etc., is mailed to all Florists. If you do not have it at hand please advise us and a copy will be sent at once.



HENRY A. DREER, (INCORPORATED)

714 Chestnut St., Philadelphia.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

SUCCESSFUL SELLERS.....

are the Successful growers who advertise in

THE AMERICAN FLORIST.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas.
Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

BAY CITY, MICH.—The Michigan Seed Company has been incorporated with capital stock of \$13,000.

BELLINGHAM, WASH.—W. J. Goode has purchased a tract of land near Seattle, and expects to start a bulb farm.

VISITED NEW YORK.—Chas. P. Braslan, Santa Clara, Cal.; W. Atlee Burpee, Philadelphia, Pa.; Wm. Henry Maule, Philadelphia, Pa.

DES MOINES, IA.—George Taylor, formerly of the Hawkeye Seed Company, and Charles E. Rogers have opened a seed store on East Locust street, under the name of the Capital Seed Company.

BALTIMORE, MD.—J. Bolgiano & Son, seedsmen, opened their new store, on the northeast corner of Pratt and Light streets this week. The firm is one of the oldest in the city, having been established in 1818 by the great-grandfather of the present members, Messrs. Roland and Charles J. Bolgiano.

San Francisco.

Charles C. Navlet, of the Charles Navlet Company, San Jose, was a caller during the week and says mail trade is opening very auspiciously.

Charles P. Braslan, of the Braslan Seed Company, has returned from his eastern trip.

Free Seeds and Moral Uplift.

The morals of this country are saved, and it was Senator Pettus of Alabama who saved them. The gratuitous petunia will still bloom in the window box of the loyal and impetunate constituent. It will still summon his soul to the higher life. And the turnip, the beautiful turnip, the free turnip, springing up from the free seed furnished by the agricultural department through the good offices of the energetic congressman, will continue to fill the mind of the husbandman with ennobling thoughts.

Senator Lodge of Massachusetts gave Senator Pettus his opportunity by injecting an attack on free seeds into the debate on the agricultural appropriation bill. Perhaps even Senator Lodge, however, would have recoiled from tampering with our free institutions had there not been a kind of conversational gap that had to be filled.

Just here the reader should try to tarry for a moment to enjoy the niceties of senatorial existence. Senator Lodge was preceded by Senator Bate, who said: "I understood that we were to go on with the appropriation bill until the senator from Indiana got back. He has gone somewhere, it seems, and is out of his place. The senator from Missouri has been waiting to speak all day, but he stepped out of the chamber just a few minutes ago. We had better, perhaps, wait and go on with the appropriation bill till the senator from Missouri gets back."

No advantage, the reader will observe, is ever taken of a senator because he steps out of the chamber, or, for that matter, because

he goes to Europe. The senate will wait for him. On the particular occasion in question the senate was waiting for the absent senators. In order to smooth over the interval somebody had to make conversation, and Senator Lodge gallantly started in.

He was unfortunate, however, in his choice of a subject. The agricultural department, he observed, spent about \$200,000 of its appropriation in buying ordinary seeds from ordinary seed firms, and then in distributing these ordinary seeds among the favorite constituents of the members of the two houses of congress. It was his opinion, he continued, that the original purpose of the appropriation was that the agricultural department should assist in spreading a knowledge of unusual and valuable seeds. When the government departed from this purpose and spent a large sum of money annually in giving away commodities which could be purchased anywhere in private stores or shops, there was not only a waste of public money but there was a diffusion of the paternalistic idea among the people.

All through this speech of Senator Lodge Senator Pettus was evidently feeling that it would have been better to wait for the absent senators in silence. As soon, therefore, as Senator Lodge had concluded he burst out as follows:

"Mr. President, what is the purpose of distributing valuable seeds? Do you all forget your country raising? Do you suppose a farmer ought not to have flowers in his yard? You forget your youth if you do not forget your raising. Do you not remember the box that stood on the cabin front porch? Do you not remember the violets that grew in that box? Senators, do not forget what you once knew. Do not forget when you were better if not wiser than you are now."

The abashed senate went into executive session, with the Indiana and Missouri senators still wandering afar. The free seeds will be distributed as usual. Yet the navy estimates have to be cut down.—Chicago Tribune.

Catalogues Received.

Moore & Simon, Philadelphia, Pa., seeds; M. Crawford Company, Cuyahoga Falls, O., strawberry plants; The Dingee & Conard Company, West Grove, Pa., roses, plants and bulbs; Barbier & Company, Orleans, France, nursery stock; Peter Lambert, Trier, Germany, roses; Van Heiningen Brothers & Company, Boskoop, Holland, nursery stock; Frantz De Laet, Contich, Belgium, cacti; The William H. Moon Company, Morrisville, Pa., nursery stock; Hurst & Sons, London, Eng., Watsonia Ardeni; Cedar Hill Nursery & Orchard Company, Winchester, Tenn., nursery stock; The Austin Nursery, Austin, Tex., nursery stock; Eastern Nurseries, Jamaica Plain, Mass., nursery stock; C. S. Harrison, York, Neb., nursery stock; Schlegel & Fottler, Boston, Mass., seeds, bulbs and plants; Arendt Bulb Company, Tamaroa, Ill., daffodils and jonquils; Anaheim Evergreen Nurseries, Anaheim, Cal., nursery stock; Alexander Seed Company, Augusta, Ga., seeds and bulbs; W. J. Palmer & Son, Lancaster, N. Y., Red Lawson; F. W. Dixon, Holton, Kan., small fruit plants; L. A. Watkins Merchandise Company, Denver, Colo., seeds; The Tucker Plant Breeding Farm, Blodgett, Mo., seed corn; Conrad Appel, Darmstadt, Germany, tree and grass seeds; Wood, Stubbs & Company, Louisville, Ky., lawn grass seed.

BURPEE'S SEEDS GROW AND WIN MORE PRIZES

than the products of any other brand! Besides several Gold Medals, they won a Grand Prize for vegetables at the St. Louis Exposition. If you intend to try Burpee's Seeds, we will mail free our Complete Catalogue of 178 pages, with beautiful colored plates and illustrations from photographs taken at our famous FORDHOOK FARMS, the largest Trial Grounds in America. If you garden for profit or a florist you should also have Burpee's "Blue List" or Wholesale Price List for Market Gardeners and Florists. WRITE TO-DAY.

W. ATLEE BURPEE & CO., SEED GROWERS, PHILADELPHIA.

Please mention the American Florist when writing.

Bermuda Onion Seed

Orders for the above should be sent as early as possible to

PETER S. REID, Port Orotava, Teneriffe.

TELEGRAPHIC ADDRESS: Reid Puerto Cruz.

Codes used, Western Union. A. B. C. 4th Edition.

Who is much the oldest shipper and guarantees all his seed to be of the season's crop. The supply being limited and the demand rapidly increasing orders will be executed in the order in which they arrive and those coming late have little chance of being filled. All orders must be accompanied by Bankers' reference or remittance.

Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

Northern Star Potato.

Having grown several acres of this wonderful Potato last season, when it sold at **\$1000.00 a ton**, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs. net, F. O. B. Southampton, \$3.00 per case.

Brinkworth & Sons, Ltd.

Potato Growers and Experts.

SOUTHAMPTON, ENG.

QUALITY ^{NOT} QUANTITY

THE ASTER KATE LOCK

Been Crown 48 inches High. Finest aster in existence. Blooms 5 to 6 inches in diameter; full centers; stems 36 to 48 inches. Shown at largest exhibitions in Canada and taking everything before it. Has never been beat. Colors: White, Daybreak and mixed. \$2.00 per 1000 seeds. No agents. Not less than 1000 seed sold. Do not send checks.

Original. **J. H. LOCK**, 41 Manchester Ave., TORONTO, ONT.

30 BULBS

Tuberous Begonias

For \$1.00 Postpaid.

See last week's issue for prices by the 100.

HUBERT & CO.,

N. Le PAGE, MT. VERNON, N. Y.

Alfred J. Brown Seed Co.

—GROWERS OF—

GARDEN PEAS and BEANS

For the Wholesale Trade.

Grand Rapids, - Mich.

SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
CLARINDA, IOWA.

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS NANUS SEED.

Present season crop. 250,000 at \$2.25 per 1000 in quantities to suit. Early orders solicited. Delivery in February.

Rees & Compere,
LONG BEACH, CAL., R. F. D. No. 1.

Please mention the American Florist when writing.

Telegraph Code

OF THE

Am. Seed Trade Association

\$2.00

In either stiff or flexible cover. Address orders to

AMERICAN FLORIST CO., CHICAGO.

FINDLAY, O.—The Swan Floral Company has leased the Penn property, the first door south of the greenhouses, and will use it as a show room.

BERMUDA Harrisii Bulbs

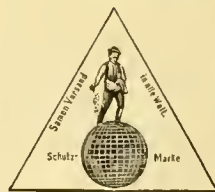
THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. ❀ ❀ ❀

CHAS. A. V. FRITH,
HAMILTON, BERMUDA.

CARL BECK & CO.

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Mangel Wurzel and Sugar Beet Seeds
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We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

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The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

CARTHAGE, Mo.—John C. Teas last week made a large shipment of nursery stock, including native trees and shrubs, to England.

SACRAMENTO, CAL.—F. A. Ebel has been appointed superintendent of parks and public squares. He is a nurseryman of long experience.

BAMBERG, S. C.—H. J. and Otis Brabham, proprietors of the Bamberg nurseries, are closing out their stock preparatory to going out of business.

HOUSTON, TEXAS.—A large tract of 21,000 acres in Robertson county was recently sold to a syndicate from Grand Rapids, Mich. Part of the land will be prepared for an extensive pecan nursery and orchard.

RIVERSIDE, CAL.—The Chase Nursery Company has put into the hands of the county superintendent of schools a number of the latest and choicest varieties of roses, to be planted in the school yards of the county.

KINGSTON, R. I.—Bulletin No. 100, issued by the Agricultural Experiment Station is attracting much attention at this time. It is thoroughly devoted to insect destruction and contains many good formulas and tells "when to spray;" it is edited by Professor Stene.

NEW BRUNSWICK, N. J.—Miss Jean A. Voorhees, a recent graduate of Vassar college, and a daughter of Dr. Edward B. Voorhees, director of the experiment station, has become the horticulturist of the horticultural department of the New Jersey experiment station, in this city.

SEATTLE, WASH.—J. W. Thompson, superintendent of city parks, at the meeting of the Seattle Florists' Association February 7, read a paper in which he advocated the appointment of a city tree warden and the passage of laws regulating the planting of trees on all thoroughfares in the city outside of the business district.

Barring Insect Pests from Mails.

The house committee of congress on agriculture has authorized a favorable report on the Lovering bill to prohibit interstate transportation of insect pests and the use of the United States mails for that purpose. The pests mentioned in the bill are the gypsy moth, brown-tail moth, leopard moth, plum curculio, hop-plum louse. A \$5,000 fine and imprisonment at hard labor for five years is made the penalty for violating the prohibitions of the bill. S. E.

Tree Planting in Cleveland.

There is to be no more promiscuous planting of shade trees in this city. The board of public service has taken hold of the shade tree business and has established a forestry department with Forester M. Horvath as chief of the

department. He will have an assistant, an engineer and half a dozen wardens. The city will be divided into districts with a warden to superintend all the tree planting in each district. It is reckoned that by careful selection of trees and planting, Cleveland in a few years will truly be a forest city. The city fathers have set aside \$17,000 for a starter. The idea is a commendable one and is receiving the hearty support of the citizens.

ECHO.

Biota Japonica Filiformis.

As the name implies and the illustration shows, this conifer is peculiar for its long thread like foliage, and although the plant assumes a conical formal shape, the fine drooping filament like foliage gives it a very graceful and



Biota Japonica Filiformis.

(At P. J. Berekmans Company's, Augusta, Ga.)

pleasing effect. It attains a height of eight to ten feet. It is well suited for such situations as are offered in cemetery planting, is also very desirable for planting in tubs for formal work, and is rapidly coming into favor as a dwarfier conifer of the first class.

Ames, Ia.

At a recent meeting of the board of trustees of the Iowa State College, Prof. S. A. Beach, horticulturist of the New York Experiment Station, was elected professor of horticulture and horticulturist to the Iowa Experiment Station. Prof. S. A. Beach is an alumnus of the Iowa institution and has been connected with the New York station for the past fourteen years. He is at present engaged in the publication of an

important work on the pomology of New York. This is to be an exhaustive work, and the state legislature has appropriated \$20,000 for its publication.

The Iowa position has been vacant for the past year, owing to the resignation of Prof. H. C. Price, who left to become dean of agriculture at Ohio University. At the same meeting of the board, A. T. Erwin, an assistant in the department, who has been acting in charge the past year, was made associate professor of horticulture.

Would Not Lose a Number.

AMERICAN FLORIST Co.:—Enclosed you will find \$1 for another year's subscription to the AMERICAN FLORIST. We would not like to lose a number as we can always find pointers in your paper which we highly appreciate.

FRANK SCHOLL.

400,000 ROSES.

We have a very fine lot of roses in 2-inch pots. Also small Shrubs and Herbaceous Plants. Send for lists.

The Elizabeth Nursery Co.

ELIZABETH, N. J.

Vinca Major Variegata.

We have several hundred of this excellent vine, last year's field clumps, full of ends, from 3-inch pots, \$5.00 per 100.

Our 1905 Wholesale Catalogue of Chrysanthemums

and other Tender and Hardy Plants has been mailed. If not received, drop us a postal. It contains many bargains.

NATHAN SMITH & SON, Adrian, Mich.

ARIZONA CACTI In order to introduce our Arizona Cacti and other plants we make the following offer of plants for \$50.00. This offer expires March 15, 1905. Plants boxed and delivered at point of shipment. Arrival in good condition guaranteed.

Number.

- 1 Cereus giganteus, 8 ft. high.
- 1 Cereus giganteus, 4 ft. high.
- 1 Cereus giganteus, 2 ft. high.
- 1 Echinocactus Leicodend, 8 to 12 in.
- 12 Echinocactus cylindraceus, 8 to 12 in.
- 1 Echinocactus cylindraceus, 3 ft. high.
- 1 Echinocactus Emoryi, 8 to 12 in.
- 6 clumps Echinocereus Engelmannii.
- 6 clumps Echinocereus Engelmannii, white spined and hardy.
- 6 clumps Echinocereus phoeniceus, hardy, (100 single plants).
- 6 plants Echinocereus Fendleri, hardy, beautiful bloom.
- 12 clumps Macmillaria radiosa Arizona, hardy, (100 single plants).
- 25 clumps Macmillaria Grahamii.
- 1 clump Echinocactus polycephalus, variation, from Grand canyon, scarce.
- 12 Rainbow cactus. 1 Cereus Greggii.
- 6 Echinocactus erectus plus.
- 6 Agave applanada Parryi, hardy.
- 10 Kinds of Opuntia—5 kinds from Central Arizona; 5 kinds from Northern Arizona, hardy.

All plants marked hardy will stand an outdoor winter climate.

GEORGE N. J. HOCHDERFFER, Flagstaff, Ariz.

Collectors and Exporters of Cacti, Agaves, Orchids, seeds of Arizona and Mexican Trees and Flowers. Specialty, seeds of Conifers.

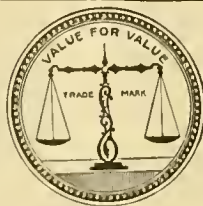
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And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

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TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

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Mt. Hope Nurseries, Rochester, N. Y.
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Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15¢ each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,

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W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.
BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An Illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Jacs Smits, Ltd. NAARDEN, (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries.
NAARDEN-BUSSUM, near Amsterdam, in care R. N. Depot.

August Haerens' Nurseries,

SOMERCEM, CHENT, BELGIUM.

Furnish PALMS, ARAUCARIAS, BAY TREES, FICUS and other decorative plants for 1905, spring delivery. AZALEAS for fall delivery. Prime quality; careful packing. Trade list sent by the American Agents.

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Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.
WILL B. MUNSON, Denison, Tex.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100; \$25.00 per 1000. 2½ to 3½ feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

ORDER NOW

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	.15	\$ 1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3 50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
RHODODENDRONS, for forcing, bushy plants, 8 to 12 buds.....	1.00	11.00	
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HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr. old, pot-grown, for forcing.....	5.00	35.00	
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HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR EASTER FORCING

	Doz.	100
GRUSS an TEPLITZ, strong, 2-year old.....	2.00	15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
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CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY.....	2.00	15.00
KAISERIN AUG. VICTORIA.....	2.50	20.00
PAUL NEYRON.....	2.50	20.00
LA FRANCE.....	2.00	15.00
Anna de Diesbach, Perle des Blancs, Capt. Christy, Fisher Holmes, General Jacqueminot, John Hopper, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ullrich Brunner, Etc., all at.....	1.50	11.00

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Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.

Forcing Stock for Easter.

AZALEA MOLLIS full of buds, nice even heads, force easily, 12-15 in. high, \$30.00 per 100; 15-18 in. high, \$40.00 per 100.

DEUTZIA GRACILIS, grown especially for pot culture; very bushy; 12-15 in. high, for 6-in. pots, \$8.00 per 100; 15-18 in. high, for 7-in. or 8-in. pots \$8.00 per 100.

DEUTZIA LEMOINEI—Similar to Gracilis, but stronger grower, 15-18 in. high, for 6-in. pots, \$8.00 per 100; 18-24 in. high, for 7 or 8-in. pots, \$10.00 per 100.

RHODODENDRONS—Best named Hybrids, bushy and full of buds, 20 in. high, \$8.00 per dozen; 24 in. high, \$12.00 per dozen; 30-32 in. high (heavy) \$24.00 per dozen.

SPIRAEA JAPONICA, \$3.00 per 100.
SPIRAEA NANA COMPACTA, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

Surplus Tree Seeds.

500 lbs. Catalpa Speciosa, 500 lbs. Black Locust. Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

FOREST NURSERY AND SEED CO.,

IRVING COLLEGE, Warren Co., TENN.

Please mention the American Florist when writing.



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THE MOON Company

For Trees, Shrubs, Vines Your and Small Fruits.

Descriptive Illustrated Catalogue Free. THE WM. H. MOON CO. Morriaville, Pa.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.
RIVER VIEW NURSERIES, J. H. O'HAGAN. LITTLE SILVER, N. J.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

The Florists' Club bowlers have resumed operations on the alleys and a large delegation turned out at the Ben-singer alleys Tuesday evening, February 21. The following are the scores:

Player.	1st	2d	3d	4th
Victor Krietling	148	160	165	170
George Asmus	177	133	166	224
P. J. Hauswirth	164	183	190	220
L. H. Winterson	114	142	135	...
V. Bergman	144	150	222	...
J. Lambros	134	148	198	...
George Scott	121	168	157	...
Aug. Balluff	123	141	129	...
Pasternich	130	155	110	...
Chas. Balluff	137	233	150	...
Klunder	142	127	177	...
J. P. Degnan	176	143	149	...
C. Benesch	105	131	...	...
Venson	124	140	145	...
Cochran	125	192	...	...

At Boston.

The result of the last match in the Seed Trade bowling league leaves the Farquhar and Breck teams tied for first place and the Rawson and Schlegel & Fottler teams tied for third. A roll-off series will be played next week. The scores of the last games follow:

FARQUHAR.				
Player.	1st	2d	3d	
Davy	74	88	71	
Hardman	76	72	96	
McDermott	80	82	93	
Poter	79	80	85	
Jenner	80	89	81	

Totals389 411 426

SCHLEGEL & FOTTLER.				
Player.	1st	2d	3d	
Cahill	95	85	82	
Gates	72	75	74	
Rickley	74	91	75	
Fay	86	84	80	
Guerineau	70	80	84	

Totals397 415 395

At Painesville, O.

Two opposing teams from the Storrs & Harrison Company greenhouses closed a series of four bowling matches this week. Bowling is a new sport to the players here, and the teams were quite evenly matched. The wholesalers won the last match by a margin of 11 pins. The last score follows:

WHOLESALEERS.				
Player.	1st	2d	3d	
Wheelton	116	104	122	
Bartlett	140	139	139	
Hallman	163	137	118	
Welch	134	209	143	
Pool	174	121	116	

Totals727 710 638

RETAILERS.				
Player.	1st	2d	3d	
Advey	132	113	130	
Lynch	170	180	146	
Delano	105	116	104	
Emsile	109	129	164	
Murphy	187	122	157	

Totals703 660 701
S. R. W.

At Washington.

It is bad enough for the florists to be losing all the games, but as a last straw there is a dark rumor in circulation that two well-known members of

entitled, "What We Don't Know about Bowling." This may account for their absence from recent games. If this sort of thing keeps up Washington will be an easy mark at the convention tournament. The same sad tale follows:

MARKET HOUSE.				
Player.	1st	2d	3d	
Bishop	212	167	152	
Miller	160	201	210	
Thomas	201	163	191	
Hofmann	180	166	147	
Bailey	159	153	219	

Totals912 850 919

FLORISTS.				
Player.	1st	2d	3d	
Cooke	155	180	231	
Simmons	195	168	150	
Lewis	149	168	167	
McLennon	150	159	164	
Ernest	166	156	118	

Totals815 831 830
S. E.

Syracuse, N. Y.

MARKET NOTES.

Trade has shown considerable improvement during the month of February, there having been many funerals and social events, and the general business has picked up so that the situation is now encouraging. Prices remain the same, but will probably drop as soon as the weather brightens up.

Henry Morris and P. R. Quinlan & Company have recently been the victims of a young girl who has a weakness for flowers but who has no money to pay for them. Her plan was to have them charged to some well-known person of the city. When the collectors went around with the bills there was trouble. The result was that the girl was discovered and landed in jail.

Henry Morris has completed the improvements in his store. The most useful addition is a tile floor. He reports that February will be a great improvement on January.

Walter Meneilly, of Wilson street, makes a specialty of growing violets. There has been a steady sale for them all winter.

Wheaton & Hencle are having a good sale of daffodils which bring \$1 per dozen. All spring flowers are selling well.

Bard & Davis continue to cut excellent roses and carnations.

FLORISTS VISIT UTICA.

Several of the Syracuse florists went

to Utica Wednesday to attend the third carnation meeting and annual banquet of the Utica Florists' Club. P. R. Quinlan & Company had a large display, the firm being represented by P. R. Quinlan, D. A. Robertson and Robert Dunn. The display included in carnations, Queen, Vesper, Lady Bountiful, the Marquis and the Flamingo. In roses they had Chatenay, White Ivory, Bridesmaid, Wellesley and Golden Gate.

Besides the members of the Utica Florists' Club there were present from out of town the following: Seward Hakes, Theodore Schesh, Jacob Friis, Ilion; Messrs. Barclay, Herkimer; J. O. Graham, Little Falls; Michael Powers, Canajoharie; John Humphrey, Mr. and Mrs. E. H. Byam, Rome, and the Syracuse contingent. The exhibition was held in one of the upper rooms of the Martin hotel. There were fourteen exhibitors, as follows: P. R. Quinlan & Company, Syracuse; C. F. Seitzer, Frank McGowan, William Matthews, J. J. Williams, Robert Boyce, and Donald MacLean, of Utica; Dr. W. A. Rowlands, of Whitesboro; J. O. Graham, of Little Falls; John Murchie, of Sharon, Pa.; H. Weber & Sons, of Oakland, Md.; Davis Brothers, of Bloomsburg, Pa.; W. J. Palmer & Son, of Buffalo; F. A. Blake, of Rochdale, Mass., and Mrs. E. A. Nelson, of Indianapolis.

The florists and their wives held a reception until 11 o'clock, when the banquet commenced. Prof. George C. Hodges was toastmaster. The first toast was, "Floriculture Past and Present," which was responded to by William Matthews. Frank J. Baker, president of the Florists' Club, responded to the toast, "Posies and Politics." Seward Hakes, of Ilion, responded to the toast, "The Ladies." D. A. Robertson, of Syracuse, responded to the toast, "Our Guests," and extended a cordial invitation to all Utica florists to visit Syracuse. The committee of arrangements consisted of William E. Hermant, Henry Martin, S. A. Pinkstone, Harvey Seitz, William Harnes, Frank McGowan, and James Toomey. A. J. B.

Always Full of Information.

AMERICAN FLORIST Co.:—The FLORIST is a good trade paper, always full of information. A. FICHE.

WE CAN SHIP White Lawson

AT ONCE.

WE SENT THIS VARIETY OUT LAST SEASON.
IT HAS GIVEN GENERAL SATISFACTION.
OUR STOCK IS PURE WHITE.
ROOTED CUTTINGS; \$7.00 per 100; \$60.00 per 1000.
SPECIAL PRICES ON LARGER QUANTITIES.
SEND FOR OUR CATALOGUE.

CHICAGO CARNATION CO.,

Joliet, Ill.

JAMES HARTSHORNE, Mgr.

Carnations

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise.....	1.00	9.00
Peru.....	1.00	9.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00

PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Echouantress.....	3.00	25.00
Lawson.....	1.50	12.50
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay.....	4.00	30.00
Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00

	Per 100	Per 1000
Liberty.....	\$ 5.00	\$15.00
La Detroit.....	6.00	50.00
Uncle John.....	4.00	25.00
Kaiserin.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory.....	3.00	25.00
Perle.....	3.00	25.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

The King of All Scarlet Carnations

ROBERT CRAIG (Ward)

Will Not Be Disseminated Till 1906. : : :
First Delivery Commencing December 1, 1905.

THE IDEAL CHRISTMAS CARNATION.

A Genuine Non-Bursting Scarlet Lawson.
JUST THE COLOR OF THE HOLLY BERRY.

Send your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspection variety does not prove satisfactory. PRICES: \$2.50 per doz.; \$12 per 100; \$100 per 1000; 2,500 lots at \$95 per 1000; 5,000 lots at \$90 per 1000; 10,000 lots or more at \$80 per 1000.

C. W. WARD, Originator. COTTAGE GARDENS CO. Inc., Queens, N. Y.

Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE.
American Carnation Society, 92 points.
SPECIAL DIPLOMA.
American Institute of New York.
FIRST-CLASS CERTIFICATE OF MERIT.
Massachusetts Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
Pennsylvania Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
New York Florists' Club, 93 points.
CRAIG CUP for best undisseeded seedling.
Philadelphia.
C. HARTMAN KUHN SPECIAL PRIZE
for best undisseeded seedling. Philadelphia.
FIRST PRIZE best 100 scarlet. Chicago.
FIRST PRIZE best 50 scarlet seedling. Chicago.

Carnation Cuttings

Thoroughly Rooted.

	Per 100	Per 1000
Gov. Wolcott.....	\$3.00	\$25.00
Boston Market.....	3.00	25.00
Enchantress.....	3.00	25.00
Mrs. Lawson.....	3.00	25.00
Prosperity.....	3.00	25.00

NOTE—We don't quote ridiculously low prices. We simply state that we ship you the best cuttings at the least possible prices.

Weiland & Risch,

Leading Western Wholesale Growers and Shippers of Cut Flowers.

59 Wabash Ave., Chicago.

My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White. : : : : :

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white.

We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

THE NEW ROSE

Wellesley

Is a Welcome Addition to the List of FORCING ROSES.

Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

Own Root.		Grafted.	
\$ 25.....	per 100	\$ 30.....	per 100
\$ 65.....	per 250	\$ 70.....	per 250
\$100.....	per 500	\$130.....	per 500
\$200.....	per 1000	\$260.....	per 1000

WABAN ROSE CONSERVATORIES, NATICK, MASS.

JOHN N. MAY, - - - Summit, N. J.

Please mention the American Florist when writing.

Washington.

BEST WEEK SINCE HOLIDAYS.

The business of the past week exceeded that of any previous one since Christmas. There was an excellent St. Valentine's day trade in cut flowers, carnations and violets being pretty well cleaned up. In addition to this, it was a record breaking week for dinners, receptions and other social events for which decorations were furnished. King Winter had the middle of the stage for several days, but the social gaiety went on regardless of his heavy tragedy. On Saturday the weather was comparatively mild and fair, and the transients came out and helped, particularly in the markets, to a good finish. The result of this activity was an increased demand for roses, and several large orders for Bridesmaid went to New York. Whether the cause is with the plants, the growers or the ground-hog, I am unable to state, but rose growing, at present, is not a howling success at several of the ranges in this vicinity. Several of the leading decorators are breaking up azaleas by wholesale for table decorations. This should be satisfactory all around. Mine host gets a pretty decoration, the growers and decorators use up the stock that has lain heavy on their hands, while the men of Ghent will now have a chance to do some business. In carnations, there is a good demand for Enchantress, Lawson, Prosperity and all scarlets. Mrs. M. A. Patten, variegated, sells very well and is highly praised by those who handle it, for its keeping qualities. Lady Bountiful, Gov. Wolcott and Boston Market seem to be leading the whites. Red Sport, which is being disseminated by A. B. Davis & Son, of Purcellville, Va., is popular with the leading retailers of this city and good things are expected of it. Great quantities of tulips and jonquils are being used in table decorations, but the market keeps well supplied with both. Sweet peas are in good supply and quality, selling freely at 35 cents per dozen, retail.

NOTES.

Many beautiful floral tributes were observed at the funeral of Addison Butler Atkins, late Washington correspondent of the Brooklyn Eagle. President and Mrs. Roosevelt sent a large wreath composed of roses and hyacinths. The owners and staff of the Eagle, Senator and Mrs. Thos. H. Platt and the Cuban minister and his wife also sent handsome designs.

A. Gude & Brother had a great trade in carnations and violets on St. Valentine's day. Their specialty was hearts in azaleas, the process of making a heart from an azalea being a trade secret among the sly dogs of their F street store.

J. H. Small & Sons are already at work in the great hall of the Pension building on preparatory work for the decorations for the inaugural ball.

John Robertson is carrying a fine stock of Enchantress, Estelle, Mrs. M. A. Patten and Lady Bountiful carnations, grown by John Brown.

C. Ponnnett, of Alexandria, Va., is now doing business in the Centre market and shows good Bridesmaid roses of his own growing.

George H. Cooke was very busy all the week on dinner decorations.

S. E.

Carnations

Rooted Cuttings Ready Now

except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Albatross, white.....	\$5.00	\$40.00
America, red.....	1.75	15.00
Boston Market, white.....	3.00	20.00
Cardinal, new scarlet.....	12.00	100.00
Crisis, new scarlet.....	12.00	100.00
Crusader, red.....	5.00	40.00
Dahelm, crimson.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00
Eclipse, Dorner's pink.....	12.00	100.00
Enchantress, light pink.....	4.00	30.00
Estelle, scarlet.....	3.00	25.00
Fiancee, new (Mar. 1).....	12.00	100.00
Flamingo, scarlet.....	6.00	50.00
Flora Hill, white.....	1.75	15.00
Genevieve Lord, light pink....	1.75	15.00
G. H. Crane, scarlet.....	2.50	20.00
Gov. Wolcott, white.....	2.50	20.00

	Per 100	1000
Harlowarden, crimson.....	\$2.50	\$20.00
Indianapolis, pink.....	5.00	40.00
Morning Glory, light pink.....	2.00	18.00
Mrs. Lawson, pink.....	3.00	25.00
Mrs. Jnost, pink.....	1.75	15.00
Mrs. Patten, variegated.....	6.00	50.00
Nelson Fisher, deep pink.....	6.00	50.00
Prosperity, fancy.....	3.00	25.00
Queen Louise, white.....	1.75	15.00
Red Lawson, new red.....	10.00	75.00
Richmond Gem, new scarlet....	10.00	75.00
The Belle, white.....	6.00	50.00
The Marquis, pink.....	1.75	15.00
Vesper, white.....	5.00	40.00
Variegated Lawson, variegated	12.00	100.00
White Cloud, white.....	1.75	15.00
White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

\$10 per 100 \$40 per 500 \$75 per 1000	Red Lawson will Bloom 3 to 1 against any other RED Carnation on the market	\$10 per 100 \$40 per 500 \$75 per 1000
8000 BLOOMS Cut and sold Xmas Week at \$1.50 per doz.		8000 BLOOMS Cut and Sold Xmas Week at \$1.50 per doz.
\$10 per 100 \$40 per 500 \$75 per 1000	50,000 Cuttings Sold and not a word of complaint FINE, STRONG, HEALTHY CUTTINGS	\$10 per 100 \$40 per 500 \$75 per 1000
W. J. PALMER & SON, Lancaster, N. Y.		

CARNATIONS.

All the best varieties of this year's introduction. Also a full list of standard varieties including the famous white

THE BRIDE.

JOHN N. MAY, Summit, N. J.

ROSES

Catalogues and price lists wanted from all growers.

THEODORE WIRTH,
Supt. Public Parks, HARTFORD, CONN.

Always mention the.....

American Florist

when you write to an advertiser.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Red Sport

(OF MACEO.)

RED SPORT has proved the greatest money maker we ever grew, producing more good bloom to the square foot of bench room than any other variety on the place.

During the glut the first half of January, we could get but four cents for fancy Lawsons, but sold every **RED SPORT** bloom we had for five cents each.

Every grower who was here in December was carried away with **RED SPORT's** possibilities as a future supply of a "holly berry" red for Christmas. There is no pick in the blooms; they are all a uniform size and color. There are 40 or 50 thousand buds now showing in the various stages of development, and there is not a split or off color bloom in the lot, and every plant is the picture of health.

We will plant 20,000 **RED SPORT** for next season's blooming, the cut from which is already sold to two of Washington's leading retailers.

RED SPORT is an easy doer and every grower can successfully grow it.

Price for February 10, delivery: 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, post paid; \$6.00 per 100; \$50.00 per 1000.

Queen Louise the most profitable standard white, \$1.25 per 100, post-paid; \$10.00 per 1000.

We guarantee all cuttings to be well rooted and to arrive in good condition. : : : :

A. B. DAVIS & SON,

CARNATION SPECIALISTS,

Purcellville, Va.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226,
Kennett Square, Phila.

500,000 VERBENAS — 60 VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2 1/4-inch pots.....\$2.50 per 100; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : :

CRISIS, New Commercial Scarlet.....		\$12.00 per 100; \$100.00 per 1000.
	Per 100	Per 1000
Mrs. Patten.....	\$6.00	
Judge Hinsdale.....	4.00	
Lady Bountiful.....	5.00	
Wm. Scott.....	100 1000	
Floriana.....	1.25 10.00	
Lorna.....	1.25 10.00	
Eldorado.....	1.25 10.00	
Mrs. Joost.....	1.25 10.00	
Enchantress.....	3.00 25.00	
Flamingo.....	Per 100	Per 1000
Dorothy Whitney.....	\$6.00	\$60.00
Golden Beauty.....	3.10	31.00
Mrs. Lawson.....	100 1000	
Adonis.....	\$2.00 \$15.00	
Harry Fenn.....	2.50 20.00	
Gov. Roosevelt.....	1.50 12.00	
Mrs. P. Palmer.....	1.25 10.00	
The Queen.....	2.50 20.00	
Buttercup.....	Per 100	Per 1000
Prosperity.....	\$3.00	\$30.00
Mrs. J. H. Manley.....	2.00	20.00
Mrs. E. A. Nelson.....	100 1000	
White Cloud.....	\$1.50 \$12.00	
Flora Hill.....	1.50 12.00	
Portia.....	1.25 10.00	
Queen Louise.....	1.25 10.00	
Dorothy.....	1.25 10.00	

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots. \$ 2.00 per 100; 3 1/4-inch pots, per 100.....\$18.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100 10.00
3 1/4-inch pots per 100..... 15.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

Rooted CARNATION CUTTINGS

...NOW READY...

WHITE.		Per 100	1000
Queen Louise.....	\$1.00	\$10.00	
Flora Hill.....	1.00	10.00	
Alba.....	1.40	12.50	
Gov. Wolcott.....	1.00	10.00	
Norway.....	1.00	10.00	
Lillian Pond.....	1.40	12.50	
Chicot.....	1.20	10.00	
PINK.		Per 100	1000
Mrs. Thos. Lawson.....	1.40	12.50	
Enchantress.....	3.50	30.00	
Mrs. Joost.....	1.00	10.00	
Success.....	1.00	10.00	
Mermald.....	1.00	10.00	
Cressbrook.....	1.00	10.00	
Pres. McKinley.....	1.40	12.50	
Mrs. Theo. Roosevelt.....	1.40	12.50	
SCARLET.		Per 100	1000
G. H. Crane.....	1.00	10.00	
SCARLET.		Per 100	1000
America.....	1.00	10.00	
Potter Palmer.....	1.00	10.00	
Estelle.....	1.40	12.50	
J. H. Manley.....	1.50	15.00	
Apollo.....	1.50	15.00	
CRIMSON.		Per 100	1000
Harlowarden.....	1.40	12.50	
Gov. Roosevelt.....	1.20	10.00	
YELLOW.		Per 100	1000
Golden Beauty.....	1.40	12.50	
Eldorado.....	1.00	10.00	
VARIEGATED.		Per 100	1000
Prosperity.....	1.40	12.50	
Marshall Field.....	1.40	12.50	
Stella.....	1.40	12.50	
Armazindy.....	1.00	10.00	
Viola Allen.....	1.20	11.00	
Gaiety.....	1.20	11.00	

Special prices on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Please mention the American Florist when writing.

CARNATIONS.

ROOTED CUTTINGS.

\$ 12.00 per 100
100.00 per 1000
250 at 1000 rate.

VICTORY

To Be Disseminated
1905.

—PLACE YOUR ORDERS FOR ROOTED CUTTINGS.—

	Per 100	Per 1000
WHITE LAWSON.....	\$8.00	\$25.00
NELSON FISHER.....	6.00	25.00
MRS. PATTEN.....	6.00	25.00
ENCHANTRESS.....	4.00	30.00
PROSPERITY.....	3.00	15.00
THE BELLE.....	6.00	20.00
LADY BOUNTIFUL.....	6.00	20.00
HARRY FENN.....	Per 100	Per 1000
GOETHE, light pink.....	2.50	25.00
GENEVIEVE LORD.....	2.50	25.00
MANLEY.....	3.00	30.00
MACEO.....	1.50	15.00
CERVERA, variegated.....	2.00	20.00
LAWSON.....	2.00	20.00

—5 per cent discount for cash with order.—

ALEX. J. GUTTMAN, 52 W. 29th st., New York City.

Newport, R. I.

In spite of the severe weather the florists have had a good week, and are well satisfied. Carnations keep firm at 75 cents to \$1 per dozen, and the growers realize \$2 to \$4 per hundred according to varieties and quality. Narcissus, tulips and violets go very hard; the two former at 50 cents per dozen, and 50 cents is about all we can get for a 75 flower violet bunch. Bride roses sell at \$1.50 to \$2, and American Beauty at \$2 to \$8 completes the list. Everybody is very busy, trying to be ready when the rush comes.

The Newport Horticultural Society met for its regular last meeting of the month last Wednesday evening and a good number turned out, cold night as it was. After routine business the prize schedule was taken up for consideration. A complete report of the 1905 schedule, dates of exhibitions, etc., will be given in the future. At this meeting John Robert Clark, seedsman of the George A. Weaver Company, and J. B. Parsonage were elected active members of the society. The meeting adjourned to Wednesday evening, March 1, when it is hoped a large attendance will be on hand to settle many important matters.

James Boyd, head-gardener to Mrs. William Astor at Beechwood, has been cutting and sending to Mrs. Astor in New York good Harrisii lilies.

Samuel Speers and his sister, Miss Eliza T. Speers, have gone to Pittsburg, Pa., to attend the funeral of their uncle, the late Arthur Kenivill.

A. H. Folger has been here for a week in the interest of the Bonnie Brae nurseries of New Rochelle, N. Y.

H. J. Hass is having his Thames street store painted very attractively and put in thorough order for the coming season.

Arend Brandt will soon move from his Thames street store where he has been so long. X.

Providence, R. I.

The cold weather has noticeably affected the violet trade; where one could formerly sell a thousand of these flowers it is now hard to sell five hundred, even though the price is no object and is cut down to unprofitable figures. Nevertheless the quality stands the highest in years and bids fair to continue for another month, by which time we may expect to see an immense business in this favorite flower. Prices stand 25 to 50 cents per hundred, with single violets much preferred over the English varieties. Most of the stores obtain \$1 per 100 for the Princess and 50 cents per 100 for California. Carnations and roses continue plentiful, the former at \$1.50 to \$3 per hundred and the latter at 3 to 10 cents each, wholesale. There is a good supply of tulips and daffodils at \$2 per 100. Ferns are high and of only average quality. Business the past week was good, with several prominent funerals to create a demand for first-class stock. Sweeney, of Broad street, was the largest user of roses in this respect, with T. J. Johnston a close second.

F. Macrea and J. H. Cushing have been great sufferers from climatic colds and rheumatism this season, although the latter gentleman is on a fair way to permanent recovery.

M. M.

A Large Stock of Well Rooted CARNATION CUTTINGS

Selected from Clean, Healthy stock just the kind you are looking for and at **ROCK BOTTOM PRICES** as a leader we offer : : :

MRS. LAWSON, \$1.25 per 100; \$10.00 per 1000.

	Per 100	Per 1000
Boston Market.....	\$2.00	\$15.00
Stella.....	2.00	15.00
Harry Fenn.....	2.00	15.00
Roosevelt.....	1.50	12.00
Estelle.....	2.50	20.00

	Per 100	Per 1000
Mrs. Ine.....	\$1.50	\$12.00
Mrs. Nelson.....	1.50	12.00
Triumph.....	1.50	12.00
Flora Hill.....	1.00	9.00
Guardian Angel.....	1.00	9.00

All stock sold with the understanding that if not as represented same is to be returned immediately when money will be cheerfully refunded.

J. A. BUDLONG, 37 Randolph St., CHICAGO.

CRISIS

This **NEW CARNATION** has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg. Pa.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	4.00	30.00
H. FENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

Nice Clean Stock ROOTED CARNATION CUTTINGS.

CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Boston Market, White Cloud and Mme. F. Joost. Also unrooted of last two varieties. Prices upon application.

C. G. VELIE & SON, Marlborough, N. Y.
Valley View Greenhouses.

It is a good business policy to mention the

American Florist

.....when writing to an advertiser.

ROOTED CUTTINGS.

Fine, Clean, Healthy Stock.

ROSES.

	Per 100	Per 1000
AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.00
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

	Per 100	Per 1000
RED		
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	2.50	20.00
INE.....	1.50	12.50

	Per 100	Per 1000
PINK		
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.40	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00

	Per 100	Per 1000
LIGHT PINK		
HIGHBOTHAM.....	1.00	9.00
GIBSON BEAUTY.....	12.00	100.00

	Per 100	Per 1000
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.50	12.50
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00

	Per 100	Per 1000
VARIEGATED		
M. A. PATTEN.....	5.50	45.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS. —NOW READY—

White Lawaon	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Albatross
The above at \$5 per 100; \$40 per 1000.	
The following at \$3 per 100; \$26 per 1000:	
Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

60,000 Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100
BRIDE.....	\$10.00
BRIDESMAID.....	10.00
LA DETROIT.....	12.00
GEN. MACARTHUR.....	12.00
LIBERTY.....	12.00

ROOTED CUTTINGS.

READY NOW.

	Per 100
BRIDE, BRIDESMAID.....	\$1.50
CHATENAY.....	1.50
LIBERTY.....	2.50
PERLE.....	2.50

CARNATIONS.

	Per 1000
GOV. WOLCOTT.....	\$12.50
WHITE CLOUD.....	12.50
NORWAY.....	12.50
LAWSON.....	12.50
MORNING GLORY.....	12.50
JOOST.....	12.50
ENCHANTRESS.....	25.00
FLAMINGO.....	50.00
CRUSADER.....	40.00
ESTELLE.....	25.00
AMERICA.....	12.50
CRANE.....	12.50
PROSPERITY.....	12.50
GAITY.....	15.00

ALL PLANTS SHIPPED FROM
HINSDALE.

Bassett & Washburn,

Store: 76 Wabash Ave., CHICAGO.

Greenhouses: HINSDALE, ILL.

Rooted Carnation Cuttings.

PINK	Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00
WHITE		
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00
Marion.....	2.00	15.00
RED		
Flamingo.....	6.00	
Crusader.....	6.00	
Crane.....	2.00	15.00
Mrs. Patten.....	6.00	
Prosperity.....	2.50	20.00
Harlowarden.....	3.00	25.00

We can furnish Cuttings of all the
Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

CARNATIONS STRONG ROOTED CUTTINGS.

WE OFFER FIRST-CLASS STOCK OF THE FINEST VARIETIES.

Variegated Lawson. This variety which we are introducing this season we are sure will prove to be the very best variegated sort. Pure ivory white with delicate carmine pencilings. Mr. W. N. Craig, an authority on everything pertaining to horticulture, says that he knows that this variety will outbloom the favorite Mrs. M. A. Patten three to one. It has the Lawson habit and stem, and is bound to give satisfaction. \$12 per 100; \$100.00 per 1000.

Red Lawson. A bright red sport of Lawson that is bound to be popular, and will be grown where Lawson is popular. \$10.00 per 100; \$75.00 per 1000.

Cardinal. Bright cardinal or crimson scarlet. Won first prize for best 100 scarlet, first prize for best 50 carnations any color, first prize for best 50 scarlet seedling, Chicago. \$12.00 per 100; \$100.00 per 1000.

Fiancee. The queen of pink carnations; in a class by itself. Magnificent flowers; strictly fancy in every respect. \$12.00 per 100; \$100.00 per 1000.

Fred. Burki. Recommended as an extra free-blooming white variety and a claimant for popular favor. \$12.00 per 100; \$100.00 per 1000.

White Lawson. We consider this variety, which we introduced last season, the most probable white carnation ever sent out. We think it will outbloom any other white two to one. It has given great satisfaction. When the flowers are left on the plants until fully developed they are much larger than Mrs. Thos. W. Lawson. We believe this will occupy among white carnations the same place that Mrs. Thos. W. Lawson does among pink carnations. Remember that we are headquarters for it. Splendid stock ready for immediate delivery. \$7.00 per 100; \$60.00 per 1000.

LADY BOUNTIFUL. A magnificent white of last season's introduction. \$6.00 per 100; \$50.00 per 1000.

DAHEIM. Dark crimson. Grand stiff stem. Calyx never bursts. Free and abundant bloomer, developing very quickly. We consider this the best all-around crimson carnation. \$6.00 per 100; \$50.00 per 1000.

MRS. M. A. PATTEN. This grand variegated

We are now prepared to book orders for 1906 **VICTORY.**
for THE COMING SCARLET CARNATION . . .

This is a real bread-and-butter variety. An early, free and abundant bloomer, with good stem; a magnificent keeper and shipper; flowers of the largest size, commanding the very highest price. This is going to be a money-maker. Orders will be filled in rotation, as received. Delivery beginning December next. \$12.00 per 100; \$100.00 per 1000.

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, N. Y.

ROOTED CUTTINGS READY.

White Lawson

\$7.00 per 100; \$60.00 per 1000.

ENCHANTRESS, - - - \$4.00 per 100; \$30.00 per 1000
PINK LAWSON, - - - 3.00 per 100; 20.00 per 1000

Send for catalogue for other varieties.

CHICAGO CARNATION CO.
JOLIET, ILLINOIS.

WM. PENN

READY NOW.

NO WAITING.

A pleasing shade of pink, on a stiff, wiry stem. Growth clean and upright; no useless foliage. Flowers large enough for all ordinary purposes.

Will Produce More Flowers per Square Foot Than Any Carnation Now Grown.

Worth growing by the thousand but rather than have you miss trying it, I will mail free of charge 25 rooted cuttings for \$2.50; \$10.00 per 100; \$75.00 per 1000; 250 for \$8.75.

SEND FOR LIST OF OTHER VARIETIES.

Queen Louise and Lillian Pond, \$10.00 per 1000. Floriana and Harry Fenn, \$12.50 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Rooted Carnation Cuttings

—All Orders Filled in Rotation.—

	Per 100
Mrs. M. A. Patten.....variegated.....	\$6.00
White Lawson.....	5.00
Flamingo.....scarlet.....	6.00
Albatross.....white.....	5.10
Enchantress.....	3.00
Queen.....white.....	2.50
Boston Market.....white.....	3.00
Queen Louise, Lawson.....	2.00
J. H. Manley.....scarlet.....	2.00
Challenger.....scarlet.....	2.00

Write for Prices on Large Lots. 5 Per Cent
Discount for Cash with Order.

Jas. D. Cockcroft, NORTHPORT, L. I., N. Y.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	60.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	60.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Please mention the American Florist when writing.

Wm. P. Craig Importer and
Plants, Bulbs and Seeds. Exporter.....

1305 Filbert Street, PHILADELPHIA.
Please mention the American Florist when writing.

Toronto.

THE MARKET.

Business for the first half of February was unprecedented, all lines of flowers moving freely. Carnations are the only flowers which are at all plentiful, and so many more of these are being grown in this section that it will take an extra amount of business to cause a shortage. Roses are of very fine quality, though not as plentiful as the growers would like, especially when such heavy coal bills are running up. Meteor are showing very good color and Bride and Bridesmaid are coming with very strong stems. Select carnations are everywhere, and we thought them invincible until the American grown stock came along. Violets in large quantities are moving freely. Calla and Harrisii lilies are now more plentiful. St. Valentine's day proved a good one. Violets have now become the favorite medium of remembrance, and many hampers and fancy arrangements were sent out.

The visit to Toronto of the governor-general and suite has been postponed owing to sickness in the family, and consequently several large decorations have been cancelled.

The Georgetown Floral Company is sending in good Bride roses.

FLORISTS' AND GARDENERS' CLUB.

The carnation show held by the Florists' and Gardeners' Association was much affected by the severe weather last week and a number of fine exhibits did not arrive until too late to be placed in competition, but those that did arrive were all of fine quality, and although the show was not as large as other years, the stock was decidedly better. Even though the weather was below zero, the exhibits with one exception, arrived in perfect condition. The exception, we regret to say, was Red Lawson, which in its frosted condition in the box looked very good and we were able to tell what really fine blooms they were before being shipped. The special awards were for the best vase of carnations, a silver cup, which was won by the Chicago Carnation Company, Joliet, Ill.; for the best collection of carnations, J. H. Dunlop, first; Chicago Carnation Company, second; for the finest cut blooms in flowers, J. H. Dunlop, first; Wm. Fendley, Brampton, second; for the best collection of flowering plants, Manton Brothers, first; J. H. Dunlop, second. William Scott, of Buffalo, having somewhat recovered from his recent illness, honored us with judging the exhibits.

Following is a list of exhibitors: J. E. Haines, Bethlehem, Pa., a fine vase of his seedling J. E. Haines; Cottage Gardens, blooms of Robt. Craig and Lieut. Peary; Chicago Carnation Company, Lady Bountiful, which was awarded the challenge cup, and Cardinal, Fiancee, White Lawson and Enchantress. E. G. Hill, Richmond, Ind., sent a fine vase of the Cardinal and Lady Bountiful which arrived too late to be in competition, although they were in time to be placed on view during the evening. They were, however, judged and the Cardinal scored 27 points, or two more than the variety which lifted the cup. Weber & Sons, Oakland, Md., were also late with their shipment, which did not arrive until Saturday morning. It consisted of a vase of their seedling My Maryland.

Wm. Fendley, Brampton, showed

Enchantress, Crane, Estelle, Queen Louise and some fine double and single violets. J. H. Dunlop exhibited his collection of Enchantress, Lady Bountiful, Flamingo, Harlowarden, Adonis, Mrs. Nelson and Lawson. Chas. Turpe showed a fine vase Lady Bountiful. Joseph Bennett, Montreal, sent specimens of Pieroni and Boston ferns.

J. H. Dunlop had the only exhibit of roses. He had vases of Bride and Bridesmaid, Franz Deegan, Meteor and Gen. MacArthur. All the above had stems from three to four feet long. Manton Brothers showed a group of miscellaneous plants nicely arranged.

Among the visitors were: Wm. Fendley, Brampton; F. Friedly, Chicago; S. Jordan, Peterboro; C. Morgan, Hamilton; C. Webster, Hamilton; W. Hageman, New York. H. G. D.

MILWAUKEE, WIS.—A fire in the Miller block damaged the retail store of Currie Brothers to the extent of \$200 on the evening of February 13.

CARNATIONS.

Genevieve Lord,
Lawson,
Fair Maid.
Mrs. Patten,
Enchantress,
Gen. Gomez,

Apollo,
Morning Glory,
White Cloud,
Walcott,
Prosperity.

ROSES.

Gen. MacArthur,
Perle,
Ivory,
Bride,
Bridesmaid.
Golden Gale,

Uncle John,
Chatenay,
American Beauty,
Kaiserin,
La Delroit.

WE offer Rooted Cuttings of the above at lowest market rates. All first-class stock. Cuttings are carefully selected. We wish to call special attention to the **GEN. MACARTHUR**, which we believe to be the coming red rose. Prices on application.

POINSETTIAS, 1-yr-old, \$5 per 100.

The Gasser Company,
Euclid Ave., CLEVELAND, OHIO.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON.....	\$6.00	\$50.00
FLAMINGO.....	6.00	50.00
ENCHANTRESS.....	3.00	25.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

For Sale

One thousand Rooted Carnation Cuttings of **FLAMINGO** for \$40.00 and One Thousand of **ADONIS**, \$25.00. Cash with order to parties not known. Stock fine.

JOHN L. WYLAND, DE HAVEN, PA.

Please mention the American Florist when writing.

RICHMOND GEM

Also	Per 100	1000
Enchantress.....	\$1.00	\$30.00
Lawson.....	1.50	12.50
Joost.....	1.25	10.00
Marquis.....	1.25	10.00

	Per 100	1000
Boston Market.....	\$2.50	\$20.00
White Cloud.....	1.50	12.50
Queen Louise.....	1.25	10.00
Flora Hill.....	1.25	10.00

Quality is Our Hobby.

W. C. HILL FLORAL CO.,

Streator, Ill.

Please mention the American Florist to advertisers.

CARNATIONS

150,000 Rooted Cuttings.

	Per 100	1000
Queen Louise	\$1.00	\$10.00
America.....	1.00	10.00
G. H. Crane.....	1.00	10.00
Eldorado	1.20	10.00
Marshall Field.....	1.40	12.50
Armazindy.....	1.00	10.00
Mrs. Joost.....	1.00	10.00
Mrs. Thos. W. Lawson.....	1.40	12.50
Pres. McKinley.....	1.40	12.50
Success.....	1.00	10.00
Harlowarden.....	1.40	12.50

Unrooted cuttings at half price. Terms: Cash or C. O. D. with privilege of examination. Express prepaid at above prices and satisfaction guaranteed.

HERMITAGE CARNATION CO.,
LOOMIS, CAL.

Please mention the American Florist when writing.

CARNATIONS.

PETUNIAS.

SALVIAS.

Strong Rooted Cuttings.

N. Fisher....\$5.00	Walcott ....\$2.00	\$18.00
Indianapolis 4.00	Lawson 1.50	14.00
Enchantress 2.50	\$24.00	Glacier..... 1.50
B. Market... 2.00	18.00	Prosperity.. 1.50
Estelle..... 2.00	18.00	

Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD, ILL.

NEW CARNATION
William Penn

A very pleasing salable shade of pink. I have grown it for five years and it gave me more good salable flowers than any other variety up-to-date.

Should be planted by every grower of cut flowers if he wants a continuous cut of flowers the whole season. Every shoot a flower. I will mail 25 well-rooted cuttings free of charge for \$2.50; \$10 per 100. \$75 per 1000. 250 for \$18.75. 10,000 cuttings now ready. All orders filled promptly.

FRANK L. KOHR, Lancaster, Pa.

—R. F. D. No. 3—

—UNROOTED—

CARNATION CUTTINGS.

The following at \$3 per 100; \$25 per 1000

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Crusader

The following at \$2 per 100; \$15 per 1000

Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

READY NOW. Freest Scarlet on the market to-day. \$10.00 per 100; \$40.00 per 500; \$75.00 per 1000.

	Per 100	1000
Prosperity.....	\$1.50	\$12.50
Estelle.....	2.00	15.00

The price isn't high. The quality cannot be surpassed.

WE WISH TO ANNOUNCE

TO THE TRADE THAT WE ARE THE SUCCESSORS OF

W. P. PEACOCK,

DAHLIA SPECIALIST.

SEND FOR OUR BEAUTIFULLY ILLUSTRATED DESCRIPTIVE CATALOGUE FOR 1905, NOW READY.

L. K. PEACOCK, INCORPORATED, Atco, New Jersey.

Money by TELEGRAPH.

Order now; the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for \$3.00 per doz., and give tone to your establishment.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.



Dahlias

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeland the leading scarlet cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist,
Box 382, DENVER, COL.

COLEUS

ROOTED CUTTINGS

Verschaellii, Fire Brand, Golden Queen, Backwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000.

Golden Redder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

AGERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Reversal, rooted cuttings, 75c per 100; \$6.00 per 1000.

VINCA VARIEGATA, 3-in. pots, \$5.00 per 100.

FRANK A. PIERSON, CROMWELL, CONN.

Please mention the American Florist when writing.

Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100
Asp. Plumosus Nanus, small plants to close 1.75
10 Vars. Ceranlums, 2½ pots and 2-in. pots 3.00
Alternantheras, red and yellow, March 1..... 2.00
10 Vars. Coleus, 2-in. pots, March 1..... 2.00

CASH

JOS. H. CUNNINGHAM, Delaware, O.

PANSY PLANTS THE JENNINGS STRAIN

Fine plants, fancy colors, large flowering. Large plants in bud and bloom, \$1.00 per 100. Medium size for cold frames, \$3.50 per 1000; 500 for \$2.00. By mail, 75c per 100. Seed, \$1.00 per pkt.; \$5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT, CONN.

GROWER OF THE FINEST PANSIES.

Easter Plants

A SPECIALTY.

Notice—Lowest prices on good stock. All showing buds and can be forced into bloom at once or can be easily kept for Easter blooming.

Spiraea Compacta, Floribunda, Japonica. All are large plants. 6-inch pots, \$2.00 per doz. Gladstone, from \$3.00, \$4.00 to \$5.00 per doz. **Azalea Indica**, have 1,500 Mad. Van der Cruyssen, as round as an apple, covered with buds, 75c, \$1.00, \$1.25 to \$1.50 each. Other leading varieties, all shades, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. **Lilium Harrisii** and **Japan Multiflorum**, 6-inch pots. From 3 buds up, 10c per bud. **White Daisies**, (Marguerites), 6-inch pots, \$2.50 per doz. **Hydrangea Olaksa**, 6-inch pots, \$3.00 to \$4.00 per doz.; 7-inch pots, 75c each.

Cineraria Hyb., 6-inch pots, \$2.00 to \$3.00 per doz.; 4 to 5 inch pots, \$1.25 per doz. **Begonia**, Pres Carnot, Flambeau and others, 6-inch pots, \$2.50 per doz. **Roses**, American Beauty, large, 6-inch pots, 40c; Brides Kaiserin, Hermosa and other hybrids, 5½-inch pots, 25 to 30c each. **Hyacinths**, first size, 4-inch pots, all shades, \$10.00 per 100. **Dbt. Tulips**, Tournesol, 3 bulbs in a 4-inch pot, \$1.50 per dozen pots. **Daffodils**, Von Sion, double nosed, 6-inch pots, 3 in a pot, \$2.00 per doz. All bulbs dormant in cold frame, will take two to three weeks to force into bloom.

Arzucaria Excelsa, 7-inch, 5 to 6 tiers, 25 to 30 and more inches high, \$1.50 each. **Ficus elastica**, 25 to 30 inches high, 6 to 7-inch pots, \$6.00 to \$7.00 per doz. **Primula Obconica**, 5½-inch pots, full of flowers, \$2.00 per doz.

I am the Moon Vine grower of the land, 10,000 now ready in 2½-inch pots of A. W. Smith's Ipomea Hortiflora, purest large white Moon Vine in the world. Price, \$5.00 per 100. Mr. Smith has a world wide reputation for them.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tlaga 3669 A.

1012 Ontario St., PHILADELPHIA, PA

Bedding Plants.

CASH WITH ORDER.

	Per 1000	Per 100— 2½-in. R.C.
50,000 Alternantheras, red, yellow, 8 5	Exp. Mail	\$15.00 \$.65
Ageratum.....		.60
Alyssum, double sweet.....		2.00 1.00
Boston Ferns, 5-inch, 25c each..		3.00
Coleus, in variety.....		.60
Feverfew, Little Gem.....	\$15	2.00 1.00
Fuchsia 6 named varieties.....	2 50	1.00
Marguerites, Etoile de Or, yellow		1.00
" Mme. Lailbert, white		1.00
25,000 Geraniums, Nutt and 20		
other varieties.....	2.50	1.50
15,000 Geraniums, Mme. Sallerai	2.00	1.00
Petunias, double fringed, white	2.50	1.50
Pansies, Florists' International,		
in bud and bloom.....	\$15	2.00
Salvia, 4 named varieties.....	2.00	1.00
Forget-me-nots.....	2.00	1.00
Verbenas, in colors, from flats...		.60

LUDVIC MOSBAEK, Onarga, Ill.

Paris Daisies.

ASPARAGUS PLUMOSUS NANUS, Extra heavy, 8-inch, 4c.

ASP. SPRENGERI, 2-inch, \$1.75 per 100.

HARDY PINKS, large field-grown, 5 sorts, 3¼c.

UMBRELLA PLANTS, 2-in. fine, 2c.

PARIS DAISY, Giant 2-inch, 2c.

ABUTILONS, 4 varieties, 2¼-inch, 3c.

SALVIAS, 2-in., Bonfire, Splendens, Silverspot, 2c.

Rooted Cuttings, per 100, prepaid: **Hellotrope**,

\$1.00. **Ageratum**, white, Gurney, Pauline, 50c.

Salvia, Splendens, Bonfire, Silverspot, 90c;

\$8.00 per 1000. **Fuchsia**, 5 best varieties, \$1.25.

Hardy Pinks, 7 varieties, some everblooming,

75c; \$7.00 per 1000. **Dbt. Petunias**, 10 finest, \$1.00.

Alternanthera 2 reds, yellow, 50c; \$4.00 per 1000.

Swainsona Alba, 75c. **Tradescantia**, 2 kinds,

75c. **Everblooming Forget-me-nots** \$1.00.

Artillery Plant, 75c. **Stevia**, Serrata and Variegata, 75c. **Giant Paris Daisy**, \$1.00. **Verbena**,

60c. **Coleus**, 60c. **Mums**, Weeks, \$1.00. **Vinca**

Variegata, 90c

CASH

BYER BROS., Chambersburg, Pa.

SPECIAL OFFER

Of Florists' Orchids.

We Want More Room for Large Importations.

Cypripedium Insigne, 5,000 established unflowered growths, \$8.00 per 100; \$75.00 per 1000.

Cypripedium Callosum, 1,000 established unflowered growths, \$20.00 per 100.

Cypripedium Lawrenceanum, 1,500 established unflowered growths \$25.00 per 100.

Dendrobium Formosum Giganteum, The florists' white orchid, established plants, 8 to 10 bulbs, \$9.00 per 12; \$70.00 per 100.

Vanda Coerulea, The florists' blue orchid. A rare opportunity. Established plants, 10 to 12 leaves, \$15.00 per 12; 12 to 15 leaves, \$22.00 per 12.

All clean, healthy plants. For other quotations, see our catalogue, to be had from

JULIUS ROEHRS COMPANY,

EXOTIC NURSERIES,

Rutherford, New Jersey.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine a lot of single and made-up plants as ever grown, 4-in., 6-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each.

DRACAENA INDIVISA, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Claud, S. A. Nutt, Castellane, John Doyle, Perkins, Single and Double, Gen. Grant, La Favorite, 2-in. pots, \$2.50 per 100. Unrooted cuttings of **CARNATIONS**. The best and cheapest way to buy them. Queen Louise, Portia, Crocker, Goodenough, 50c per 100. Lawson, \$1.00 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY, 2-in., \$2.50 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

CHRYSANTHEMUMS Strong Rooted Cuttings and Plants.

EARLY. Yellow.—R. Halliday, Monrovia. White.—Polly Rose, Mme. Bergman, Ivory, Wilbrook, Geo. S. Kalb. Pink.—Glory of Pacific, Pink Ivory, Lady Harriet, Montemarl.

MIDSEASON. Yellow.—Maj. Bonaffon, Col. Appleton, Yellow Eaton, Percy Plumridge. White.—Mrs. H. Robinson, Mrs. Weeks, T. Eaton. Pink.—Mlle. Liger, Mrs. Probin. Red.—Black Hawk, Mrs. Coombes.

LATE. Yellow.—W. H. Lincoln, H. W. Rieman. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000. Plants from 2 1/4-in. pots, \$2.50 per 100; \$20 per 1000.

These are all good standard varieties. Only strong healthy plants used for stock. All cuttings and plants guaranteed strictly up in quality.

TERMS: Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

Orchids!

Arrived in fine condition **CATTLEYA MENDELII**, **DENDROBIUM WIRIOIANUM**, **LAELIA ANCEPS** and **ONCHIDIUM UNGUICULATUM**. We also offer a fine lot of well-grown bulbs of **CALANTHE VEITCHII**.

Lager & Hurrell, Summit, N. J.

Orchid Growers and Importers.

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$25.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

GERANIUMS.

ROOTED CUTTINGS.

Fifteen varieties at \$10.00 and \$12.50 per 1000. Send for complete price list of GERANIUMS and CARNATIONS.

ALBERT M. HERR, Lancaster, Pa.

The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

HINODE FLORIST CO.

...JAPANESE NOVELTIES...

TINY PLANTS. In 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100. **RHAPS**, 5 to 15 shoots, 50 cents each.

CASH WITH ORDER.

LARGEST GROWERS OF FASTER LILIES. **WOODSIDE, N. Y.** and **WHITESTONE, L. I., N. Y.**

Please mention the American Florist when writing.

GARDENIA PLANTS.

(GRANOIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.60 per doz.; \$10.00 per 100. Dormant now and until February 25th.

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Stanley & Co.

SOUTHGATE, ENGLAND.

The Live Orchid Importers are constantly receiving importations of the finest character. They Solicit Enquiries. Brazilian Species shipped to bulk ex Brazilian Port. **Cattleya Mossiae**, **C. labiala**, **C. Warnerii**, **Laelia tenebrosa** now arriving in perfect, leafy, dormant condition.

Cyclamen Once transplanted, ready March 1. Seed taken from only the choicest stock—nothing better. \$2.00 per 100; \$18.00 per 1000.

C. WINTERICH, Defiance, O.

THE CARDINAL

THE BEST SCARLET CARNATION

AGAIN DEFEATS ALL COMERS AT ST. LOUIS CARNATION SHOW.

Scored 97 points at Toronto, last week—higher than all others.

The Cardinal is a profitable carnation to grow; produces more blooms to the square foot than any other.

If you get a good stock of this Grand Scarlet you will have done investing in new scarlets for years to come. Do it Now.

ROOTED CUTTINGS:

\$12.00 per 100; \$100.00 per 1000. 250 at 1000 rate.

Special prices on larger quantities.

Introducers: **CHICAGO CARNATION CO., Joliet, Ill.**
E. G. HILL CO., Richmond, Ind.
S. S. SKIDELSKY, 824 N. 24th St., Philadelphia, Pa.

Announcement.

We beg to announce to the trade that we have purchased the new and modern establishment of Matson & Kron, Chicago, Ill., consisting of 46,000 sq. ft. of glass and stocked with the best standard as well as the newer varieties of Carnations. We have Cuttings of the following varieties ready for shipment:

Enchantress, Nelson Fisher, Mrs. Patten, Lawson, Wolcott, Boston Market, Harry Fenn, Queen Louise and Flora Hill.

QUALITY GUARANTEED.

WRITE FOR PRICES.

JENSEN & DEKEMA,

631 W. Foster Ave., CHICAGO, ILL.

J. E. JENSEN.

J. S. DEKEMA.

Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Casstlers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000.

Stocks, dbl. white for Easter, \$1 per 100; \$8 per 1000.

Daisies, dbl. white, 75c per 100; \$5.00 per 1000.

Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000.

Salvia Splendens, \$1.00 per 100.

Lobelia, dwarf blue, \$1.00 per 100.

Ageratum, dwarf blue, 60c per 100.

Asparagus Plumosus Nanus from flats, ready for 3-inch pots, \$2.00 per 100; 3-in. ready for 4-in., \$3.00 per 100. Plants by the 100 mailed free.

HILL TOP GREENHOUSES, 15 Gray Ave., Ulica, N. Y.

Please mention the American Florist when writing.

5,000 Vincas,

strong stock. Cash with order.

J. J. LAMPERT, Xenia, Ohio.

Paeonias

Per 100

FESTIVA MAXIMA.....\$35.00

WHITE (generally called Queen Victoria) 9.00

FRAGRANS, the tall growing, heavy

coming variety.....6.00

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Rooted Cuttings

PELARGONIUMS, 15 var., \$2.25 per 100.
VERBENAS, 30 var., 60c per 100; \$5.00 per 1000.
HELIOTROPE, 12 var., \$1.00 per 100; \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100; \$10.00 per 1000.
SALVIAS, 6 var., \$1.00 per 100; \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.
DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

Please mention the American Florist when writing.

100,000

Alternantheras

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Oceanic, N. J.

The Monmouth County Horticultural Society held a lively meeting February 17. The ball committee reported all bills paid and over \$50 surplus on hand. President George H. Hale had some fine violets on exhibition. Several members of the society offered prizes for an essay on "Rose Culture Under Glass." Only assistant gardeners may compete for these prizes. The papers must be sent in before March 3 to Secretary H. A. Kettel, Fairhaven, N. J. The judges on these papers are: H. A. Kettel, N. Butterbach, Wm. Turner, Geo. H. Hale and W. W. Kennedy.

Different committees appointed by the president are: Investigating committee, Wm. Turner, N. Butterbach, H. A. Kettel; executive committee, C. H. Walling, T. S. Barkuloo, H. Longstreet, John Yeomans and P. Hicks; exhibition committee, H. McCarron, W. W. Kennedy, H. A. Kettel and Wm. Turner. B.

San Antonio, Tex.

Cut flower demand is good but the supply scant. There are no flowers being shipped in at present, though it would seem that Kansas City, Memphis or Mobile growers should be able to lay their stock down here in good shape. A live cut flower store in the downtown district would pay well if the stock could be secured to supply it.

Trade representatives from the Plant Seed Company, St. Louis, Mo., and Henry A. Dreer, Incorporated, Philadelphia, Pa., were recent visitors.

Omaha.

St. Valentine's day business was good in spite of the extreme cold weather. Plant sales suffered, as it was impossible to bring them to the stores. Prices on roses and carnations went up 25 per cent. Violets are plentiful and sell well. Out-of-town orders were hard to get to their destination on account of all the trains being late. In fact, some express companies refused to accept packages on the branch lines. The coal proposition looked bad for a few days, but the worst is over and no one suffered except the pocket-book. Since December 26 we have had a steady, cold winter such as we never had before. GRIPPE.

VERGENNES, VT.—The annual meeting of the Vermont Horticultural Society closed February 11, with the election of the following officers: President, E. S. Brigham, of St. Albans; secretary, William Stuart, of Burlington; treasurer, A. M. Vaughan, of Randolph; auditor, T. L. Kinney, of South Hero.

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A Weekly Illustrated Journal.

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CHAMPAIGN, ILL.—Yestrom's greenhouse was destroyed by fire February 7. The fire started from the heating plant.

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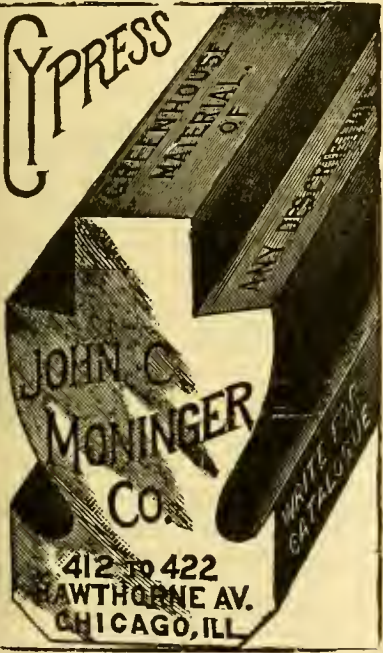
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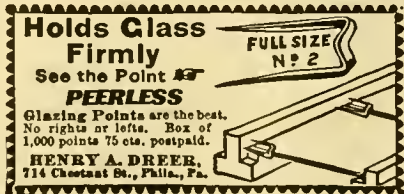
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Please mention the American Florist when writing.

British Trade Topics.

The great boom in new varieties of potatoes which deserved to rank with the sensational prices paid for carnations in America has now collapsed. The business has been overdone and the day of reckoning has brought remorse. The sensational prices have brought out a large number of new varieties, totalling 150, all claiming to be the very best ever introduced. Several American varieties are being pushed on this side. J. M. Thorburn & Company, of New York, have placed on the market a new early, Noroton Beauty, while another of their introductions, Carman, is receiving attention in the great growing center in Lincolnshire. H. J. Jones, of Lewisham, who is making a specialty of potatoes in addition to chrysanthemums, has grown a large quantity of Uncle Sam, another American newcomer. He describes it as one of the best potatoes he has known.

The National Chrysanthemum Society, whose annual meeting has just been successfully held, has decided to establish a department of plant registration. It is intended to issue each year a list of the new varieties, giving full information of the same, and this will prove exceedingly useful in preventing any duplication of the names. Now that so many additions are being made each year it is essential that there should be a check of some kind.

A. F. Dutton, carnation specialist, of Benley Heath, Kent, has secured a larger nursery at Iver, in Buckinghamshire, to cope with his increasing business. He has designed his new houses, in which perfect ventilation, lightness and strength have been secured. Two houses contain about 10,000 plants of American tree carnations which are grown on benches, and the plants are supported by wires. The chief varieties are Mrs. T. W. Lawson, Enchantress, Fair Maid, Harry Fenn, Floriana, Governor Roosevelt, etc. He has given a preference to American carnations from the fact that they are easier to grow, have a stronger constitution, are much freer in flower, and are quite perpetual. He is able to secure from them blooms all the year round, whilst from English varieties he has to wait until the early spring. Mr. Dutton also extensively cultivates Malmaison and border carnations. He sends blooms to the Covent Garden market all the year around, and these meet with a good sale at satisfactory prices. The highest average is in June and July, when about 600 dozen flowers a week are sent to London. The average throughout the year is fifty dozen a day. There is an increasing demand for carnations amongst market florists.

Reference has been made in a previous letter to a new carnation named Fascination, offered by J. Ambrose of Cheshunt, being regarded as synonymous with the American variety Enchantress. After a wordy warfare the introducer states that he was under a misapprehension, and that the two varieties are the same.

The severe and unusual spell of frost in the south of France has caused a shortage in the supply of blooms from the continent. This has had the effect of causing an inflation in prices of the home grown flowers. Trade generally is dull amongst florists and nurserymen, for the depression throughout the coun-

try has made its effect felt in the horticultural world.

The Royal Horticultural Society has made good progress in its new headquarters. An encouraging report will be presented at the annual meeting next Tuesday.

Buffalo.

Very stormy weather was our portion last week and very few trains arrived on time from our nearest carnation towns. Trains were from three to seven hours late. Trade was retarded on that account, but all got out without any serious loss. St. Valentine's day was all that could be expected and from a floral point of view it is getting better every year. Supply is about what could be expected at the present time, bulb stock being plentiful. Roses and carnations are of a good quality and equal to all demands. Violets are good and sell readily at \$1 per bunch of 50.

Jos. Sangster who for several years had had charge of the store of S. A. Anderson, severed his connection to accept a position with Edward Seery of Paterson, N. J.; upon his departure he was presented with a handsome cut glass dish by Mr. Anderson and the employees.

There was an unusual stir at the store of S. A. Anderson the past week. Mr. Anderson took his Knights Templar degree and the employees joined in presenting him with a charm.

There will be a meeting of the Florists' Club Wednesday afternoon when nomination for officers will be in line and other business of importance will be transacted.

Arthur Zirkman, of M. Rice & Company, and C. B. Knickman, of McHutchinson & Company were recent visitors. Bison.

Detroit.

St. Valentine's day brought a great increase to the business of the florists here, who were already busy without that event. Violets were in great demand and many more could have been sold if they were obtainable. Roses which have been in meagre supply for the past month were not available in sufficient quantities to properly fill the orders for them. The shortage of roses and carnations has the effect of consuming completely a big quantity of bulbous stock, which would otherwise be a surplus on the market. There was a great demand for flowering pot plants and many azaleas, lilies, tulips and daffodils were disposed of. The weather was that day, as well as many days immediately before and since, intensely cold and added much to the difficulties attending deliveries that day.

Robt. Watson, who has been very ill, is now able to be about again, and F. H. Beard, who has been suffering from an attack of appendicitis, is much improved and his complete recovery is expected soon.

J. F. Sullivan returned from the carnation meeting at Chicago with an attack of pneumonia and is still confined to the house but is rapidly improving.

The Florists' Club meeting of February 15 was poorly attended because of the unusual severity of the weather.

Visitors: Representatives of L. Van Leeuwen & Son, G. Vlassfeld & Son, C.

J. Steelman & Son, K. Van Bourgonien & Sons, H. Zijp & Co., Holland; Hammond's Slug-shot Works, New York. J. F. S.

Louisville.

The past week averaged very satisfactorily, although, with the possible exception of St. Valentine's day, there were no special events. The business for that day was unusually good, probably the best experienced by many. The weather again turned very cold but at present the outlook is favorable for a much longer for change. Roses of first-class quality are scarce, especially American Beauty. The other grades can be had in satisfactory quantities, the demand having been up to expectations. Carnations have been coming in in greater quantities, but despite the good supply the demand has been so good as to make them short, especially of the better grades. Violets, both single and double, have been selling well, the quality being very good, with the supply a little short. The glut in lily of the valley has about ended. The quality of nearly all the bulbous stock this year is unusually good with the demand and supply satisfactory. Asparagus sprays are almost impossible to secure locally.

At Herman Kleinstark's place things are being prepared for a big spring trade, the place being well stocked with geraniums, heliotrope and other bedding stock.

At Schulz's a great array of bulbous stock is in evidence.

Visitor: S. S. Skidelsky, Philadelphia, Pa.

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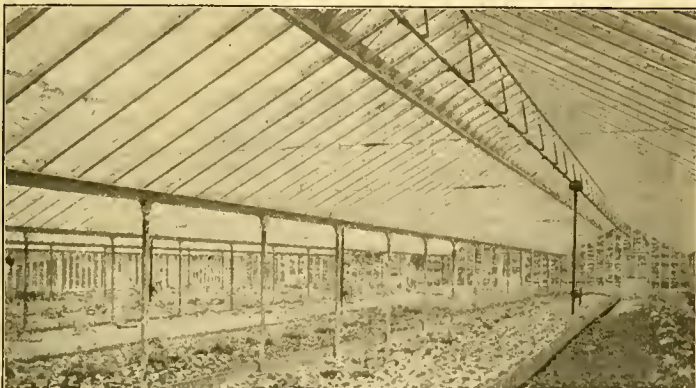
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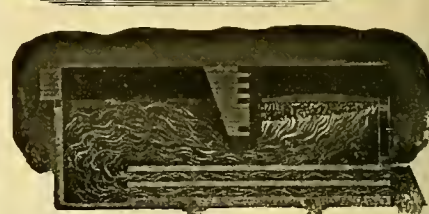
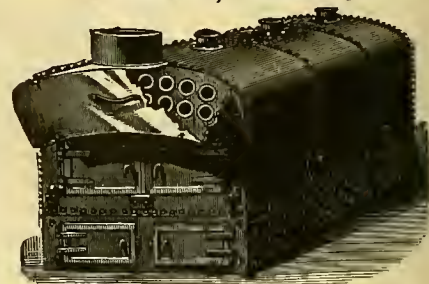
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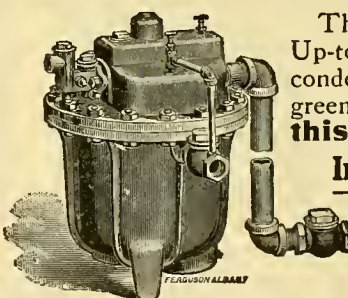
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Carnation—150,000 rooted cuttings. Unrooted cuttings, half price. Queen Louise, \$1 per 100, \$10 per 1,000; America, \$1 per 100, \$10 per 1,000; G. H. Crane, \$1 per 100, \$10 per 1,000; Eldorado, \$1.20 per 100, \$10 per 1,000; Marshall Field, \$1.40 per 100, \$12.50 per 1,000; Armazindy, \$1 per 100, \$10 per 1,000; Mrs. Joost, \$1 per 100, \$10 per 1,000; Mrs. T. W. Lawson, \$1.40 per 100, \$12.50 per 1,000; Pres. McKinley, \$1.40 per 100, \$12.50 per 1,000; Success, \$1 per 100, \$10 per 1,000; Harlowarden, \$1.40 per 100, \$12.50 per 1,000.
Hermitage Carnation Co., Loomis, Cal.

Carnation—Crisis (new), \$12 per 100; Mrs. Patten, \$6 per 100; Judge Hinsdale, \$4 per 100; Lady Bountiful, \$5 per 100; Buttercup, \$3 per 100; Flamingo, \$6 per 100; Dorothy Whitney, \$3 per 100; Golden Beauty, \$3 per 100; Prosperity, \$2 per 100; Mrs. J. H. Manley, \$2.50 per 100; Wm. Scott, \$1.25 per 100, \$10 per 1,000; Floriana, \$1.25 per 100, \$10 per 1,000; Lorna, \$1.25 per 100, \$10 per 1,000; Eldorado, \$1.25 per 100, \$10 per 1,000; Mrs. Joost, \$1.25 per 100, \$10 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Flora Hill, \$1.25 per 100, \$10 per 1,000; Mrs. Lawson, \$2 per 100, \$15 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Harry Fenn, \$2 per 100, \$15 per 1,000; Gov. Roosevelt, \$1.50 per 100, \$12 per 1,000; Mrs. P. Palmer, \$1.25 per 100, \$10 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; Mrs. E. A. Nelson, \$1.50 per 100, \$12 per 1,000; Portia, \$1.25 per 100, \$10 per 1,000; Queen Louise, \$1.25 per 100, \$10 per 1,000; Dorothy, \$1.25 per 100, \$10 per 1,000.
J. L. Dillon, Bloomsburg, Pa.

Carnation—Red Lawson, at \$1.50 per doz., \$10 per 100; \$40 per 500; \$75 per 1,000.
W. J. Palmer & Son, Lancaster, N. Y.

Carnation—Carnation Bride, \$6 per 100; \$50 per 1,000; Phyllis, \$12 per 100; \$100 per 1,000.
John N. May, Summit, N. J.

Carnation—Wolcott. White Cloud, Norway, Lawson, Morning Glory, Mrs. Joost at \$12.50 per 1,000; Enchantress and Estelle, \$25 per 1,000; Flamingo, \$50, and Crusader, \$40 per 1,000; America, Crane and Prosperity, \$12.50 per 1,000; Galety, \$15 per 1,000. All plants shipped from greenhouses, Hinsdale, Ill.

Bassett & Washburn, 76 Wabash Ave., Chicago, Ill.

Carnation—Carnation cuttings, unrooted. The following at \$3 per 100, \$25 per 1,000, White Lawson, Flamingo, Lady Bountiful, Mrs. M. A. Patten, Nelson Fisher, Crusader. The following at \$2 per 100, \$15 per 1,000; Enchantress, Boston Market, The Queen, Fair Maid.
Imperial Greenhouses, Utica, N. Y.

Carnation—Rooted cuttings, ready now. Write for price list.
F. Dorner & Sons Co., La Fayette, Ind.

Carnation—The Bride, \$6 per 100, \$50 per 1,000.
John N. May, Summit, N. J.

Carnation—Crisis, \$12 per 100, \$100 per 1,000.
J. L. Dillon, Bloomsburg, Pa.

Carnation—Wm. Penn. 25 rooted cuttings, \$2.50, \$10 per 100; \$75 per 1,000, 250 for \$18.75. Queen Louise and Lillian Pond, \$10 per 1,000. Floriana and Harry Fenn, \$12.50 per 1,000.
Albert M. Herr, Lancaster, Pa.

Carnation—Rooted cuttings. Crusader, \$5 per 100, \$45 per 1,000; Flamingo, \$5.50 per 100, \$45 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Ine, \$1.50 per 100, \$12.50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Nelson Fisher, \$6.50 per 100, \$55 per 1,000; Mrs. Nelson, \$1.50 per 100, \$12.50 per 1,000; Mrs. Lawson, \$1.50 per 100, \$12.50 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Genevieve Lord, \$1.25 per 100, \$10 per 1,000; Mrs. Joost, \$1.25 per 100, \$10 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Peru, \$1 per 100, \$9 per 1,000; White Cloud, \$1.50 per 100, \$12.50 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Mrs. Higginbotham, \$1 per 100, \$9 per 1,000; Gibson Beauty, \$12 per 100, \$100 per 1,000.
Geo. Reinberg, 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted cuttings. Quality our hobby. Lawson, \$1.50 per 100, \$12 per 1,000; Mme. Joost, \$1.25 per 100, \$10 per 1,000; Marquis, \$1.25 per 100, \$10 per 1,000; White Cloud, \$1.50 per 100, \$12.50 per 1,000; Prosperity, \$1.50 per 100, \$12.50 per 1,000; Estelle, \$2 per 100, \$15 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; B. Market, \$2.50 per 100, \$20 per 1,000; Queen Louise, \$1.25 per 100, \$10 per 1,000; Flora Hill, \$1.25 per 100, \$10 per 1,000.
W. C. Hill Floral Co., Streator, Ill.

Carnation—Unrooted carnation cuttings, Queen Louise, Portia, Crocker, Goodenough, 50c per 100; Lawson, \$1 per 100; Gladiolus, bulbs, 75c per 100, \$6 per 1,000. Cash with order.
George M. Emmans, Newton, N. J.

Carnation—Carnation cuttings. Wolcott, Boston Market, Enchantress, Mrs. Lawson, Prosperity, \$3 per 100, \$25 per 1,000.
Welland & Risch, 59 Wabash Ave., Chicago, Ill.

Carnation—Rooted cuttings. Chicago, \$10 per 100, \$120 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Belle, \$5 per 100, \$45 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Peru, \$1 per 100, \$9 per 1,000; Richmond Gems, \$10 per 100, \$75 per 1,000; Crusader, \$5 per 100, \$45 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Indianapolis, \$5 per 100, \$45 per 1,000; Phyllis, \$10 per 100, \$120 per 1,000; Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Joost, \$1 per 100, \$9 per 1,000; Mrs. Higginbotham, \$1 per 100, \$9 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Nelson, \$1.50 per 100, \$11.50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Lawson, \$1.50 per 100, \$12.50 per 1,000.
Peter Reinberg, 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted cuttings: Nelson Fisher, \$7 per 100, \$60 per 1,000; Mrs. M. A. Patten, \$6 per 100, \$50 per 1,000; Boston Market, \$3 per 100, \$20 per 1,000.
J. D. Thompson Carnation Co., Joliet, Ill.

Carnation—Rooted cuttings.
Wm. Swayne, Box 226, Kennett Square, Philadelphia, Pa.

Carnation—Rooted carnation cuttings now ready. White Lawson, Flamingo, Lady Bountiful, Mrs. M. A. Patten, Nelson Fisher, Albatross at \$5 per 100, \$40 per 1,000. Enchantress, Boston Market, The Queen, Fair Maid at \$3 per 100, \$25 per 1,000.
Imperial Greenhouses, Utica, N. Y.

Carnation—Fred Burkl. All orders booked now are for March delivery.
John Murchie, Sharon, Pa.

Carnation—My Maryland, delivery January, 1906, \$2.50 per doz., \$12 per 100, \$100 per 1,000. Write us for other varieties.
H. Weber & Sons, Oakland, Md.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnation—Carnation cuttings; well rooted, taken from selected stock, clean and healthy. Lawson, \$1.50 per 100, \$12.50 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Higinbotham, \$1.25 per 100, \$10 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Chicago, \$2 per 100, \$15 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; White Cloud, \$1.25 per 100, \$10 per 1,000; Her Majesty, \$1.50 per 100, \$12.50 per 1,000; Harlowarden, \$1.50 per 100, \$12.50 per 1,000.

Wieter Bros., 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted carnation cuttings. Enchantress, \$3 per 100, \$25 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Alpine Glow, \$2.50 per 100, \$20 per 1,000; Lawson, \$2 per 100, \$15 per 1,000; Nelson, \$2 per 100, \$15 per 1,000; Queen, \$2.50 per 100, \$20 per 1,000; Queen Louise, \$2 per 100, \$15 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Marion, \$2 per 100, \$15 per 1,000; Flamingo, \$5 per 100; Crusader, \$5 per 100; Crane, \$2 per 100, \$15 per 1,000. Mrs. Patten, \$5 per 100; Prosperity, \$2.50 per 100, \$20 per 1,000; Harlowarden, \$3 per 100, \$25 per 1,000.

The Leo Niessen Co., 1217 Arch St., Philadelphia, Pa.

Carnation—Red Sport (of Maceo) 12 for \$1.50, 25 for \$2.50, 50 for \$4.00, postpaid. By express \$5.00 per 100, \$50 per 1,000.

A. B. Davis & Son, Carnation Specialists, Purcellville, Va.

Carnation—Carnation cuttings: Enchantress, \$3.50 per 100, \$30 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Queen, \$3 per 100, \$25 per 1,000; Queen Louise, \$2 per 100, \$15 per 1,000; Lawson, \$2.50 per 100, \$20 per 1,000; Cressbrook, \$2 per 100, \$15 per 1,000; Challenger, \$2 per 100, \$15 per 1,000; Maceo, \$2 per 100, \$15 per 1,000; Harry Fenn, \$3 per 100, \$25 per 1,000; Prosperity, \$2.50 per 100, \$20 per 1,000; G. M. Bradt, \$3 per 100, \$25 per 1,000; Flancee, \$12 per 100, \$100 per 1,000.

C. Warburton, Fall River, Mass.

Carnation—Rooted cuttings, White Lawson, \$7 per 100, \$50 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Pink Lawson, \$3 per 100, \$20 per 1,000.

Chicago Carnation Co., Joliet, Ill.

Carnation—Rooted carnation cuttings now ready: Queen Louise, \$1 per 100, \$10 per 1,000; Flora Hill, \$1 per 100, \$10 per 1,000; Alba, \$1.40 per 100, \$12.50 per 1,000; Wolcott, \$1 per 100, \$10 per 1,000; Norway, \$1 per 100, \$10 per 1,000; Lillian Pond, \$1.40 per 100, \$12.50 per 1,000; Chicot, \$1.20 per 100, \$10 per 1,000; America, \$1 per 100, \$10 per 1,000; Mrs. P. Palmer, \$1 per 100, \$10 per 1,000; Estelle, \$1.40 per 100, \$12.50 per 1,000; Mrs. J. H. Manley, \$1.50 per 100, \$15 per 1,000; Apollo, \$1.50 per 100, \$15 per 1,000; Harlowarden, \$1.40 per 100, \$12.50 per 1,000; Gov. Roosevelt, \$1.20 per 100, \$10 per 1,000; Pink: Mrs. Thos. Lawson, \$1.40 per 100, \$12.50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Mrs. Joost, \$1 per 100, \$10 per 1,000; Success, \$1 per 100, \$10 per 1,000; Mermaid, \$1 per 100, \$10 per 1,000; Cressbrook, \$1 per 100, \$10 per 1,000; Pres. McKinley, \$1.40 per 100, \$12.50 per 1,000; Mrs. Theo. Roosevelt, \$1.40 per 100, \$12.50 per 1,000; Yellow: Golden Beauty, \$1.40 per 100, \$12.50 per 1,000; Eldorado, \$1 per 100, \$10 per 1,000. Variegated: Prosperity, \$1.40 per 100, \$12.50 per 1,000; Marshall Field, \$1.40 per 100, \$12.50 per 1,000; Stella, \$1.40 per 100, \$12.50 per 1,000; Armazindy, \$1 per 100, \$10 per 1,000; Viola Allen, \$1.20 per 100, \$11 per 1,000; Gaety, \$1.20 per 100, \$11 per 1,000. G. H. Crane, scarlet, \$1 per 100; \$10 per 1,000. Special prices on large lots; unrooted pips, half price of above, 25 at 100 rates, 250 at 1,000 rates, express prepaid, cash or C. O. D., with privilege of examining.

Loomis Floral Co., Loomis, Cal.

Carnation—New carnation William Penn, a seedling of Scott and McGowan. Price, \$10 per 100; 25 at 100 rates; \$75 per 1,000; 250 at 1,000 rates.

Frank L. Kohr, R. F. D. No. 3, Lancaster, Pa.

Carnation—Victory to be disseminated, 1906, \$12 per 100, \$100 per 1,000, 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, \$5 per 100; Nelson Fisher, \$5 per 100; Mrs. Patten, \$6 per 100; Enchantress, \$3 per 100; Prosperity, \$3 per 100; The Belle, \$6 per 100; Lady Bountiful, \$5 per 100; Harry Fenn, \$2.50 per 100; Goethe, \$2.50 per 100; Genevieve Lord, \$2.50 per 100; Manley, \$3 per 100; Maceo, \$1.50 per 100; Cervera, \$2 per 100; Lawson, \$2 per 100. Five per cent discount for cash with order. Address all correspondence to 52 W. 29th St., New York.

Guttman & Weber, Lynbrook, L. I., N. Y.

Carnation—Rooted carnation cuttings. White Lawson, 5,000 ready to be shipped, \$7 per 100, \$50 per 1,000; Lady Bountiful, \$7 per 100, \$50 per 1,000; Mrs. M. A. Patten, \$5 per 100, \$50 per 1,000; Nelson Fisher, \$7 per 100, \$50 per 1,000; Daheim, \$5 per 100, \$50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Mrs. T. W. Lawson, \$2 per 100, \$18 per 1,000; Gen. Maceo, \$2 per 100, \$15 per 1,000; Morning Glory, \$2 per 100, \$15 per 1,000; Mrs. G. M. Bradt, \$3 per 100, \$25 per 1,000; Melba, \$1.50 per 100, \$12 per 1,000; Queen Louise, \$1.50 per 100, \$12 per 1,000. Grafted roses. Write for prices.

Wood Bros., Fishkill, N. Y.

Carnation—Carnation cuttings, Nelson Fisher, \$7 per 100, \$50 per 1,000; Mrs. M. A. Patten, \$5 per 100, \$50 per 1,000; Flamingo, \$6 per 100, \$50 per 1,000; Crusader, \$6 per 100, \$50 per 1,000; D. Whitney, \$5 per 100, \$40 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Harry Fenn, \$3 per 100, \$25 per 1,000; Manley, \$3 per 100, \$25 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Queen, \$3 per 100, \$25 per 1,000.

Backer & Co., Billerica, Mass.

Chrysanthemum—Rooted cuttings March 1 delivery, per 100: Wm. Duckham, \$2.50; Alice Byron, \$1.50; Marion Newell, \$1.50; Col. Appleton, \$1.50; Omega, \$1.50.

The B. K. & B. Floral Co., Richmond, Ind.

Carnation—Rooted cuttings ready now: Lady Bountiful, Phyllis, Chicago White, Robert Craig, White Lawson. Send for prices. Albatross, \$5 per 100, \$40 per 1,000; America, \$1.75 per 100, \$15 per 1,000; Boston Market, \$3 per 100, \$25 per 1,000; Cardinal, \$12 per 100, \$100 per 1,000; Crisis, new, \$12 per 100, \$100 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; Daheim, \$5 per 100, \$50 per 1,000; Dorothy Whitney, \$5 per 100, \$40 per 1,000; Eclipse, Dorner's, \$12 per 100, \$100 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Estelle, \$3 per 100, \$25 per 1,000; Flancee, new (Mar. 1), \$12 per 100, \$100 per 1,000; Flamingo, \$5 per 100, \$50 per 1,000; Flora Hill, \$1.75 per 100, \$15 per 1,000; Lord, \$1.75 per 100, \$15 per 1,000; G. H. Crane, \$2.50 per 100, \$20 per 1,000; Wolcott, \$2.50 per 100, \$20 per 1,000; Harlowarden, \$2.50 per 100, \$20 per 1,000; Indianapolis, \$5 per 100, \$40 per 1,000; Morning Glory, \$2 per 100, \$18 per 1,000; Lawson, \$3 per 100, \$25 per 1,000; Mrs. Joost, \$1.75 per 100, \$15 per 1,000; Mrs. Patten, \$6 per 100, \$50 per 1,000; Nelson Fisher, \$5 per 100, \$50 per 1,000; Prosperity, fancy, \$3 per 100, \$25 per 1,000; Queen Louise, \$1.75 per 100, \$15 per 1,000; Red Lawson, \$10 per 100, \$75 per 1,000; Richmond Gem, \$10 per 100, \$75 per 1,000; The Belle, \$5 per 100, \$50 per 1,000; The Marquis, \$1.75 per 100, \$15 per 1,000; Vesper, \$5 per 100, \$40 per 1,000; Variegated Lawson, \$12 per 100, \$100 per 1,000; White Cloud, \$1.75 per 100, \$15 per 1,000; White Swan, \$10 per 100, \$80 per 1,000.

Vaughan's Seed Store, Chicago; Greenhouses, Western Springs, Ill.

Carnation—Strong rooted cuttings. N. Fisher, \$5 per 100; Indianapolis, \$4 per 100; Enchantress, \$2.50 per 100, \$24 per 1,000; B. Market, \$2 per 100, \$18 per 1,000; Estelle, \$2 per 100, \$18 per 1,000; Walcott, \$2 per 100, \$18 per 1,000; Lawson, \$1.50 per 100, \$14 per 1,000; Glacier, \$1.50 per 100, \$14 per 1,000; Prosperity, \$1.50 per 100, \$14 per 1,000.

The W. T. Buckley Co., Springfield, Ill.

Carnation—Rooted carnation cuttings; all orders filled in rotation; 5 per cent discount cash with order. Mrs. M. A. Patten, \$5 per 100; White Lawson, \$5 per 100; Flamingo, \$5 per 100; Albatross, \$5 per 100; Enchantress, \$3 per 100; Queen, \$2.50 per 100; Boston Market, \$3 per 100; Queen Louise (Lawson), \$2 per 100; J. H. Manley, \$2 per 100; Challenger, \$2 per 100.

Jas D. Cockcroft, Northport, L. I., N. Y.

Carnation—Carnation Fred Burki. All orders booked now are for March delivery.

S. S. Skidelsky, Philadelphia, Pa.

Carnation—Carnation cuttings.

W. H. Watson, Lapeer, Mich.

Carnation—Carnation cuttings.

Geo. A. Kuhl, Pekin, Ill.

Carnation—Carnations, rooted cuttings. Prices on application. The Gasser Company, Euclid Ave., Cleveland, O.

Carnation—Green carnations. Preparation for coloring carnations green. Harry D. Edwards, 527 York St., Newport, Ky.

Carnation—1,000 rooted carnation cuttings of Flamingo, \$40; 1,000 Adonis, \$25. Cash, parties unknown.

John L. Wyland, De Haven, Pa.

Carnation—Carnation, William Penn, 10,000 cuttings; 25 rooted cuttings, \$2.50; \$10 per 100; \$75 per 1,000; 250 for \$18.75.

Frank L. Kohr, R. F. D. 3, Lancaster, Pa.

Carnation—Carnation cuttings, Enchantress, Nelson Fisher, Mrs. Patten, Lawson, Wolcott, B. Market, Harry Fenn, Queen Louise and Flora Hill. Jensen & Dekema, 631 W. Foster Ave., Chicago, Ill.

Carnation—Rooted carnation cuttings. Enchantress, Nelson Fisher, M. A. Patten, Wolcott, B. Market, White Cloud and F. Joost.

Valley View Greenhouses. C. G. Velle & Son, Marlborough, N. Y.

Chrysanthemum—Rooted cuttings. Wm. Duckham, Ben Wells, F. A. Cobbold, Leila Filkins, \$3 per 100; Dr. Enguehard, \$4; Mrs. Tibrell, \$2. No order filled less than \$1.

W. A. Chalfant, Springfield, Mo.

Chrysanthemum—Strong rooted cuttings. Opah, Mme. Bergman, Willowbrook and October Sunshine.

Eli Cross, Grand Rapids, Mich.

Chrysanthemum—Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

Chrysanthemum—Geo. A. Kuhl, Pekin, Ill.

Chrysanthemum—Chrysanthemum novelties: Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen, and all other novelties, 50c each; \$5 per doz.; Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per doz. Send for list.

Charles H. Totty, Madison, N. J.

Chrysanthemum—Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1905 describes them all.

Nathan Smith & Son, Adrian, Mich.

Coleus—Ten varieties Coleus, 2-in. pots, March 1, \$2.

Jos. H. Cunningham, Delaware, O.

Coleus—Forty varieties, 70c per 100; \$5 per 1,000.

S. D. Brant, Clay Center, Kan.

Coleus—Rooted cuttings, Verschaffelt, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100, \$5 per 1,000. Golden Bedder (original) and Hero, 75c per 100, \$5 per 1,000. Discount of 10 per cent allowed on 10,000 or more.

Frank A. Pierson, Cromwell, Conn.

If you do not find what you need in our Ready Reference Department, write us about it.

Cyclamen—Cyclamen splendens giganteum hybrids in bud and bloom, from 5-in. pots, \$2.50 per doz., \$20 per 100. Paul Mader, E. Stroudsburg, Pa.

Cyclamen—Once transplanted, ready March 1. \$2 per 100, \$18 per 1,000. C. Winterich, Defiance, O.

Dahlia—Dahlia Sylvia, divided field roots, \$2 per doz., \$15 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlia—Dahlia, Mrs. Winters, \$10 per 100. W. W. Wilmore, Box 382, Denver, Col.

Dahlias—Finest collection in U. S. Send for price list. W. P. Lothrop, E. Bridgewater, Mass.

Dahlias—Peacock's dahlias. L. K. Peacock, Atco, N. J.

Daisies—\$1 per 100. S. D. Brant, Clay Center, Kan.

Daisies—Paris Daisy, giant, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

Easter Stock—Ready for Easter, Spiraea compacta floribunda, Japonica and Gladstone; choice azaleas, all sizes and prices, 75c, \$1 and \$1.25; 1,500 Van der Cruyssen; Hydrangea otaksa; Cineraria hybrida, 6-in. pots; Japan and Harrisii lilies. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Easter Lilies—Hinode Florist Co., Whitestone, L. I., N. Y.

Easter Stock—Azalea Madame Van der Cruyssen, Azalea mollis, deutzias, rhododendrons, Primula veris, etc., etc. Baby Rambler rose, 1 yr., field grown, for 4-inch pots, \$5 per doz., \$35 per 100. Henry A. Dreer (Inc.), 714 Chestnut St., Philadelphia.

Easter Stock—Azalea mollis, 12-15-in., \$30 per 100, 15-18-in., \$40 per 100; Deutzia gracilis, 12-15-in., \$6 per 100; 15-18-in., \$8 per 100; Deutzia Lemoinei, 15-18-in., \$8 per 100; 18-24-in., \$10 per 100. Rhododendrons, best hybrids, 20-in., \$9 per doz.; 24-in., \$12 per doz.; 30-32-in., \$24 per doz. Spiraea japonica, \$3 per 100. Spiraea nana compacta, \$4 per 100. The Storrs & Harrison Co., Palmsville, Ohio.

Ferns—Boston ferns, per 100, 4-in., \$15; 5-in., \$25; 6-in., \$40; 7-in., 60c each; 8-in., 75c each. Strong rooted runners of Boston, \$2 per 100. Davis Bros., Morrison, Ill., and Geneva, Ill.

Fern—Adiantum hybridum, \$5 per 100; 2½-in. pots. A. Ley & Bro., N. Langdon, D. C.

Fern—Nephrolepis Scottii, 6-in., pot grown, ready for 8-in., \$15 per doz.; 7-in., pot grown, \$24 per doz.; 8-in., pot grown, \$36 per doz. John Scott, Keap St. Greenhouses, Brooklyn, N. Y.

Fern—Adiantum Croweanum, the new maidenhair fern, height 3½ ft. Prices on application. Wm. F. Kasting, Wholesale Florist, 383-387 Ellicott St., Buffalo, N. Y.

Ferns, Eto.—Boston, Piersoni and Scottii ferns. Geo. A. Kuhl, Pekin, Ill.

Ferns, Eto.—Boston ferns, for 5, 6, 7 and 8-in. pots at \$25, \$50, \$75 and \$100 per 100. L. H. Foster, 45 King St., Dorchester, Mass.

Feverfew—Rooted cuttings and plants. Ludvig Mosbaek, Onarga, Ill.

Ficus—5 and 6-inch rubbers, 30c each. W. W. Coles, Kokomo, Ind.

Ficus—Ficus elastica, 6 and 7-inch, \$6 to \$9 per dozen. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

Forget-Me-Not—Ever blooming forget-me-nots, rooted cuttings, \$1.00 per 100. Byer Bros., Chambersburg, Pa.

Fuchsias—Fuchsias, rooted cuttings and plants. Ludvig Mosbaek, Onarga, Ill.

Fuchsias—Fuchsias, rooted cuttings, 5 best varieties, \$1.25 per 100. Byer Bros., Chambersburg, Pa.

Gardenias—Gardenia plants and jessamine, our leading specialty. Natural growing conditions here ideal. 1 yr., 18-24-in., \$1.50 per doz.; \$10 per 100. C. W. Benson, Alvin, Tex.

Geraniums—10 varieties geraniums, 2½ pots and 2-in. pots, \$3. Jos. H. Cunningham, Delaware, O.

Geraniums—Rooted cuttings, fifteen varieties at \$10 and \$12.50 per 1,000. Albert M. Herr, Lancaster, Pa.

Geraniums—Geranium Telegraph, bedding out, conservatory or window; strong plants, 2½-in., \$15 per 100. Thomas Devoy & Son, Poughkeepsie, N. Y.

Geraniums—Jean Vlaud, S. A. Nutt, Castellane, John Doyle and Perkins. Single and double Gen. Grant, La Favorite, 2-inch pots, \$2 per 100. Geo. M. Emmans, Newton, N. J.

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cheapest all around insecticide on the
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Fertilizers—Fertility germs draw
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cess pine.
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sprays.
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charge for printing on orders above 250
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\$6.25 per 50,000. Sample free.
Manufactured by W. J. Cowee, Ber-
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Boilers — Send for prices and catalogues.

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Heaters — Crop insurance. Life insurance is valuable because it guarantees outcome. "Gurney" heaters, "Bright Idea," "Doric" and "400 Series" do the same for your hot house; they guarantee the crop. Save 20 per cent on coal bill; produce an even heat; simple to operate; wear longer than others. Don't buy or exchange until you investigate.

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Glass — Importers and jobbers; greenhouse glass a specialty. Window glass. The James H. Rice Co., 80-82 Wabash Ave., 34-40 So. Water St., Chicago.

Glass — French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York; 101 Portland St., Boston.

Glass — Good brands, quick shipments, large stock; warehouse on railroad switch. Be sure and get our prices. Sharp, Partridge & Co., 22d St. and Union Place, Chicago, Ill.

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Gutters — Jennings improved iron gutter.

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Paint, Putty, Etc. — Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Paint, Putty, Etc. — Twemlow's Old English liquid putty; stops all cracks and crevices in sash or roof of greenhouse. Sold by supply houses in Chicago, Milwaukee, Detroit, Cincinnati, Indianapolis, Cleveland, Allegheny, Philadelphia, New York, Buffalo, Boston, Baltimore, etc.

Made by Hammond's Slug Shot Works, Fishkill-on-Hudson, N. Y.

Pipes, Iron Fittings, Etc. — Galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized turn buckles and wire. Fittings for Purlin and ridge supports.

Foley Mfg. Co., 471 W. 22d St., Chicago.

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Steam Traps — Steam traps save coal. Return steam trap, used by up-to-date greenhouse men, returns condensed water from the heating coils in greenhouse. Have been in use over 30 years. Insures an even temperature.

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Steam Traps — Morehead traps insure free circulation in coils. Save fuel.

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Ventilators — We furnish high grade ventilating apparatus, raising the sashes in greenhouses and other buildings.

Lord & Burnham Co., 1133 Broadway, New York. General office and works, Irvington-on-Hudson, N. Y.

Ventilators — The New Departure ventilating appliance, cheapest and best. If you doubt, try it and be convinced.

J. D. Carmody, Evansville, Ind.

Ventilating Apparatus — Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Ventilating Apparatus — Send for circulars.

Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia, Pa.

Ventilators — Evans' improved Challenge ventilating apparatus.

Quaker City Machine Works, Richmond, Ind.

Ventilators — The Standard ventilating machinery; original machine with self-oiling cups; most powerful, least complicated, very compact.

E. Hlppard, Youngstown, O.

Ventilators — Foley ventilating apparatus.

Foley Mfg. Co., 471 W. 22d St., Chicago.

Ventilators — Hand ventilators, etc. The King Construction Co., N. Tonawanda, N. Y.

Albany, N. Y.

The republican organization of Albany county on the evening of February 15 gave its annual banquet in Odd Fellows' hall. The floral decorations by Eyres were fine and comprised a mass of plants on a stage, wall decorations, and flowering plants on the banquet tables. Massed on the stage was a group of azaleas around which were tall kentias, araucarias and Boston ferns. The walls and balcony of the banquet hall were decorated with southern smilax and vincas. Each of the 430 guests present received a red carnation.

An attachment has been served on H. L. Menand of William street, who for a year past has conducted a wholesale florists' supply house here. The attachment was served to protect the interests of certain creditors in Utica and other places.

R. D.

The Only Florists' Paper.

AMERICAN FLORIST Co.:—I would like to take up the renewal of the AMERICAN FLORIST, which in previous years has been sent to my father, George A. Norton, Pittsfield, Mass. Having gone abroad, he requests me to renew the subscription, as he claims the AMERICAN FLORIST to be the only florists' paper.

GEORGE A. NORTON, JR.

If you do not find what you need in our Ready Reference Department, write us about it.

Cleveland.

There has been no material change in business the past week. Roses still continue scarce and prices range from \$4 to \$10 per 100 for teas. Carnations are plentiful, \$4 per 100 being the top-notch figure for the best. There are practically no American Beauty roses coming in from the local growers. Bulbous stock is hard to move at any price. The same tulips which brought \$4 per 100 last year are hard to move at half that price this year. The retailers claim there is a dearth of social functions. A remarkable feature of the wholesale market this year is the fact that it is almost impossible to sell red roses. Last year they sold like hot cakes.

The sympathy of the trade is extended to the family of the late William Bailey, gardener to J. B. Perkins. Mr. Bailey died last week, aged 56 years. The funeral took place at Woodland cemetery, February 20.

The Market Gardeners' Association held its annual meeting recently and elected the following officers for the ensuing year: President, C. H. Chester; secretary, L. Fish; treasurer, Thomas Petersen.

The J. M. Gasser Company is sending in from its Rocky River place some very fine General MacArthur roses. The grower, Henry Murman, deserves credit for the way he is handling the stock.

The Cleveland Floral Company doing a retail business at 272 Euclid avenue, has gone into the hands of a receiver.

ECHO.

Nashville, Tenn.

St. Valentine's day brought with it the usual demand, principally for violets, which, however, were not on hand in the usual quantities. Last year Joy & Son sold 25,000, but this year they had less than 1,000 on sale. This scarcity was brought about by the cold weather which still holds this section in its grip. The growers here have carried their houses through the prolonged cold spell very successfully, though it is the coldest and most prolonged severe spell we have had in this section for many years, and coal supplies have melted away with astonishing rapidity. In spite of this the supply of flowers has been sufficient to meet all demands.

Joy & Son are unusually successful in violet culture. They do not cultivate them in their heated greenhouses but grow them in cold frames or shallow pits in the open. The violets were coming on fine with a promising crop in sight but the zero weather froze down the cases and the snow covered them so the supply has been short. The firm recently purchased a valuable piece of property adjoining the store on the corner of Church street and Sixth avenue.

M. C. DORRIS.

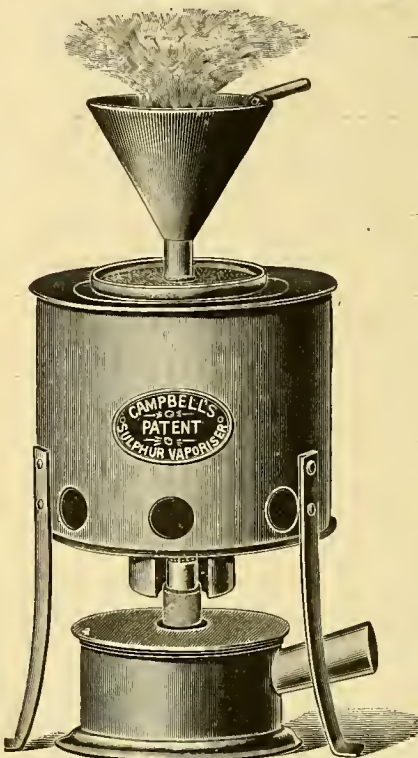
Lincoln, Neb.

Business is first class, all classes and grades of stock being used. A large amount comes in each morning, considering the cold weather. What little sunshine there has been could not penetrate the snow and ice which covered the houses for ten days at one time during the first part of this month. Stock in general is looking good and prospects are bright for spring trade.

C. H. F.

GREAT BRITISH SUCCESS

CAMPBELL'S PATENT SULPHUR VAPORISER.



An apparatus which safely vaporises sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, Strawberries, Etc. Also kills that dreaded pest Red Spider.

Hundreds of Unsolicited Testimonials.

Royal Irish Nurseries, Newtownards, Co. Down, May 13, 1903.

Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

The Nurseries, Exmouth, Devon, October 17, 1903.

I have given your Patent Sulphur Vaporisers a thorough trial, and am more than pleased with the result. Generally, before housing my Show Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY,

Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet, the tube of which is loosely closed by a pyriform hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside, thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

Prices and further particulars from Importers:

VAUGHAN'S SEED STORE, 14 Barclay St., New York.

A. T. BODDINGTON, 342 West 14th St., New York.

BLACKIE BROS., 44 Allen St., Halifax, Nova Scotia, Can.

The American Patent Rights of this apparatus are on sale. For particulars apply

EXORS. R. CAMPBELL, Water St., Manchester, England.

The Standard VENTILATING MACHINERY



The original machine with self-rolling cups. The most powerful, least complicated, very compact with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

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It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngtown, Ohio.

Please mention the American Florist when writing.



EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

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QUAKER CITY MACHINE WORKS,
RICHMOND, IND.

King Construction Co.

NORTH TONAWANDA, N. Y. and
TORONTO, ONT.

New Greenhouse Catalogue ready for distribution. Send for it.

Always

mention the American Florist when you order stock.

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Greenhouse Benches

Ship Lap, Drop Siding, Sheathing, Flooring,
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"PECKY CYPRESS"

Everything in PINE and HEMLOCK BUILDING LUMBER

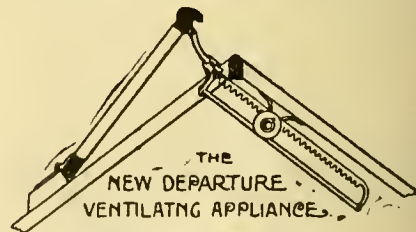
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Tel. North 1626 and 1627.

Please mention the American Florist when writing.



CHEAPEST AND BEST.

If you doubt it try them and be convinced.
Send for descriptive price circular.

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FLORISTS' SUPPLIES and RIBBONS.

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NOVELTIES always on hand.

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America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. C. VAUGHAN, Chicago, president; J. R. FREEMAN, Washington, D. C., vice-president; Wm. J. STEWART, II Hamilton Place, Room 11, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-first annual meeting at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1905. ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass., March 23-26, 1905. Wm. J. STEWART, II Hamilton Place, Boston, Mass., secretary.

AMERICAN PEONY SOCIETY.

Exhibition at Chicago about June 15. ARTHUR H. FEWKEE, Newton Highlands, Mass., secretary.

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CHRYSANTHEMUMS

Propagating.

It is now time to commence propagating the chrysanthemum stock which is intended for exhibition purposes. The first part of the work is to give the stock plants a place where they will get plenty of light and air and a night temperature of 40° to 45° to assist them to throw up healthy, short-jointed cuttings. For propagating, select a bench which is partially shaded so that the sun cannot shine directly on the cuttings and where a temperature of 50° to 54° can be maintained, using a clean, sharp sand. The cuttings require frequent waterings and sprayings to prevent them wilting. This being attended to, they will root readily in sixteen to twenty days. As soon as they are rooted, pot them up into 2½-inch pots, never allowing the cuttings to remain long enough in the sand so that the roots become long and wiry, a condition which will quickly weaken the young plant.

A very important point to bear in mind to meet with success in growing exhibition cut chrysanthemums is never to allow the young plants to get weakened by any check in their growth. The watchword is, keep pushing them at all times. When potting them use a live, fresh soil to make active growth, but which does not contain manure, because this will cause the wood to become soft and sappy, followed by a long-jointed spindly plant. This early propagating refers principally to the English and Australian varieties which require this long season of growth to bring them to perfection, but not so with most of our American sorts, which are better for not being propagated for a month or so yet. It is also important to figure a little on the date the chrysanthemum shows are likely to be held, because many of these imported monsters are inclined to be early, and at their best the latter part of October. While most of them keep well enough as regards freshness, if the show is not held before the middle of November some of them will have lost a great deal of their luster and the petals drawn close into the stem, which will tell against them when put up against later blooming varieties with a fresher appearance.

In selecting the varieties for exhibi-

tion it is best to class them under two different heads. The first can be for those which are shown singly in small vases as collections, together with the six's of one variety. To cover this field we can take the following as a good selection:

WHITE.	PINK.
Ben Wells	Wm. Duckham
Timothy Eaton	Mrs. Barclay
Merza	F. A. Cobbold
Guy Hamilton	Lella Filkins
Emily Mileham	Mrs. H. A. Allen
Mrs. D. V. West	Valerie Greenham
Beatrice May	Silver Queen
Hero of Mafeking	Lily Mountford
Nellie Pockett	Mrs. Coombes
Mrs. Swinburn	
Mlle. Jeanne Nonin	
YELLOW.	RED.
Mrs. Thirkell	Thos. Humphreys
Mrs. T. W. Pockett	Henry Barnes
Yellow Eaton	S. T. Wright
Col. D. Appleton	Violet Lady Beaumont
F. S. Vallis	Red Mme. Carnot
Mrs. W. Duckham	Maynell
Alliance	Lord Hopetoun
C. J. Salter	Mertham Red
Myteline	Brutus
Cheltoni	
Bronze.	OTHER COLORS.
Quo Vadis	Chas. Longley
Henry Second	Wm. T. Longley
J. H. Silsbury	Mr. T. Carrington
J. H. Doyle	Mme. Paolo Radaelli
Donald McLeod	Pantia Ralli
Mildred Ware	W. R. Church
Harrison Dick	

In the class calling for dozen, twenty-five or over, of one kind, many of our most useful commercial varieties come into play. They are not as large as some of the importations, but when put up in a bunch they have many good points which tell in their favor in any competition. These lists are good in any company for the purpose stated, some of which we are not acquainted with regarding their growth, knowing them only from observation. The French novelties now being distributed for the first time in this country contain some wonders as to size and finish and should not be overlooked in making up your list. The following is a good list for the big vases:

White: Alice Byron; Majestic; Mrs. Nathan Smith; Mrs. Jerome Jones; Mrs. Henry Robinson; Mrs. H. W. Buckbee; W. H. Chadwick; Timothy Eaton; Mlle. Jeanne Nonin. Yellow: Yellow Eaton; C. J. Salter; Percy Plumridge; Yellow Jones; Cheltoni; Col. D. Appleton; Alliance; Sunburst; Golden Chadwick. Pink: Wm. Duckham; Vivian Morell; Mlle. Marie Liger; Mrs. Barclay; Dr. Enguehard. Bronze: Quo Vadis; Harrison Dick. Red: Violet

Lady Beaumont; Matchless; Thos. Humphreys; Miss R. Hunt. Other colors: Mr. T. Carrington; Chas. Longley. C. W. JOHNSON.

Marquis de Pins' Seedlings.

In the AMERICAN FLORIST of December 12, 1903, and again in the issue of February 13, 1904, I made some reference to the appearance of a new raiser of chrysanthemum seedlings, the Marquis de Pins. The blooms which I saw at the Paris chrysanthemum show in November, 1903, were beyond all question a most remarkable lot, and that they were highly thought of by the jury and the floral committee appointed for the purpose of making the awards, is evidenced by the reports of that show, both in the French horticultural press and also in the Journal of the National Horticultural Society of France.

Knowing that several of our English importers of novelties are keenly alert to the necessity of introducing all the most promising novelties that appear, it was only reasonable to suppose that in the following autumn we should have the opportunity of seeing some of these French novelties at our annual trade shows. I also ventured to express the opinion that, subject to vagaries of climate, if these novelties were introduced into America there would be agreeable surprises in store for those who first undertook the culture of them there. From the wide experience I have had in chrysanthemum matters, this was a justifiable conclusion to arrive at, for after more than twenty years intimate acquaintance with the ever popular autumn flower, I have seen more than one grower rise into eminence by reason of a new departure in the art of chrysanthemum raising—and seeing is believing.

My American confreres in this all absorbing delight of chrysanthemum culture, will no doubt share with me the feelings of mingled disappointment and astonishment when I say that during the course of my autumnal visits to our trade growers last season, the new seedlings upon which my hopes depended were characterized by a curious and unaccountable appearance of mediocrity. No one in the immediate vicinity of our great metropolis had succeeded in obtaining anything like the result that I had seen the previous year in France. Some blamed the raiser, some blamed the distributor, some blamed the plants, and most of the importers blamed me.

Now, the utter absurdity of this seems apparent when we read both in the French papers and from private correspondence what has again taken place at the last Paris show, and it can only be assumed that the indifferent results obtained by our growers in the south of England are to be attributed either to climatic differences or else to the high culture adopted by them in a general way. I specially say the south of England because one grower who had the Marquis de Pins seedlings, and who lives as far north as Manchester, took the opportunity of introducing himself to me at the Crystal Palace show in December last and spoke most highly of these new French seedlings, which he had himself grown, and with evident satisfaction to himself.

I have not been able to ascertain from the AMERICAN FLORIST whether these

varieties have yet found a place in the American collections, or, if so, how they have behaved. Coming, as they do, from a warm southern climate where the air is dryer than here in London, grown probably without the aid of strong chemical manures systematically administered, they may as a distinct race and under such conditions do infinitely better at Toulouse than they have done here. And yet this would not account for their apparent success in the neighborhood of Manchester.

Seeing but little reference to them in the AMERICAN FLORIST, I have naturally been on the qui vive to see how the later seedlings have behaved in France. My desire to go again to Paris was not accomplished for several reasons, and consequently I have had to rely upon documentary evidence instead



The Late Farquhar Macrae.
(See obituary, page 237.)

of seeing them myself. What is the result? If French growers were able to give accounts of them that were in accordance with my own views when I first saw them, it is only reasonable to suppose that they could do so the following year.

"A. M.," in *Le Jardin*, whose initials are well known as those of a capable and experienced critic on all that concerns floriculture, speaking of the Marquis de Pins seedlings at the November, 1904, show in Paris, says, "The new and brilliant success obtained by the fortunate seedling raiser at the last Paris exhibition in 1904 confirms the hopes that this new race had aroused in the minds of chrysanthemum lovers. . . . The floral committee testified its appreciation for this fine collection by awarding to it seventeen certificates, the largest number obtained by any of the various raisers present."

M. G. Clement, a well-known Parisian chrysanthemum grower, speaking of the uncertainty of prophesying about novelties as they appear year by year, in

the same journal says the Marquis de Pins has maintained his supremacy with his new seedlings and mentions the names of those he particularly noted, viz., *Souvenir de Cologne*, *Genette Solange*, *Souvenir de Bailleul*, *Samatanaise*, *Zacharie Bacqué*, *Bois de Boulogne*, *Comtesse de Potiche*, *Mme. Magne*, *Souvenir de 1903*, and *M. Sintilles*.

In the Journal of the National Horticultural Society of France, for November, 1904, page 662, we find a list of exhibitors, with the names of the varieties that received certificates awarded by the floral committee. Here the Marquis de Pins heads the list with 17 certificates; Calvat follows with 15; Nonin with 7; de Reydeller, 6; Héraud, 6; Delbois, 5; Caveon, 2; and various other growers one certificate each. These are facts beyond dispute, and it does seem to be a most extraordinary thing that novelties occupying such a high position in Paris should, when cultivated by English specialists, and under English methods, turn out to be flowers far below our ordinary standard of merit.

This has largely increased my curiosity to know if the Marquis de Pins seedlings are yet grown in the United States and in what way they have behaved in the hands of American growers. By way of conclusion I will only observe that I have had photographs of these most recent novelties submitted to me, and so far as one can judge from such material, they are large, solid, compact looking blooms such as we saw in Paris the year before. The names of these 1904 varieties are *Zacharie Bacqué*, *Mme. Delarbre*, *La Samatanaise*, *Souvenir de 1903*, *Comtesse de Potiche*, *Souvenir de Bailleul*, *Genette*, *Souvenir de Cologne*, *Etoile de Mont Crun*, *Solange*, *Marie Bacqué*, *Marthe Lesueur*, *M. Sintilles*, *Marquise de Pierre*, *Mme. Arthur*, *Jousson*, *Bois de Boulogne*, and *Mme. Magne*.

One word in conclusion. Most of the novelties shown by other raisers at the Paris show of 1903, and which I selected as being worthy of our growers' attention, have quite fulfilled the expectations that were formed of them, hence the mysterious behavior of the Marquis de Pins 1903 novelties is difficult to explain. Will some American reader help me with a few notes as to their value in the states, if they have yet been introduced there? P.

Cattleya Trianae Alba.

The illustration depicts a pure white form of *Cattleya Trianae* now in flower in the collection of Dr. R. Schiffmann, St. Paul, Minn. While there are many almost white forms, and therefore often labelled white, yet the true test is exposure of the flower to full sun which will soon bring out any trace of color the flower may possess. Some years ago when on a collecting expedition in Venezuela, a plant in flower was brought to Dr. Schiffmann one evening, apparently a beautiful white *Cattleya Gaskelliana*. The plant had three flowers. Fortunately he had to ask for delay in payment at a high price until the next day when he could draw on a letter of credit. The flower spike was cut and placed in water. By a fortunate circumstance the doctor was delayed in getting money until after noon by which time the flower which meanwhile had been exposed to the

sun had lost all traces of white and the price of the plant dropped in value proportionately. Moral: When purchasing a pure white cattleya don't pay for it until you have put it to the test.

While all *Cattleya Trianae* are beautiful, the majority that have come under Dr. Schiffmann's observation have

PALMS AND FERNS.

Watering, Ventilating and Shading.

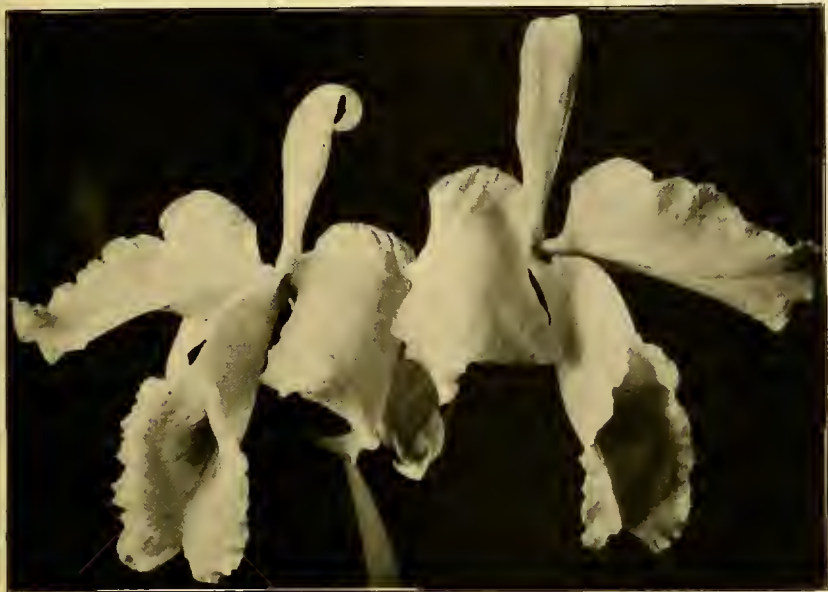
February is usually a cold and stormy month, and plant houses require a great deal of fire heat at night, which natu-

time for watering. This moistens the atmosphere and refreshes the plants to some extent after the baking process to which the air has been submitted during the night in the effort to keep up an even temperature of 60° or more, while the outdoor mercury was way down in the tube.

The experienced plantsman seems to be a sort of hygrometer, for such a man feels the necessity for moisture in a plant house on a winter morning, and while he may not be able to tell you the absolute percentage of moisture in the air, yet he is fully aware that the atmosphere is too dry for the best health of the plants under his care, and he at once proceeds to correct the existing conditions with hose or water pot.

The best plant growers are perhaps born, not made, and yet any intelligent man may progress a long way in that direction after several years of experience and the careful use of his powers of observation.

But to return to the plants, rather than to the plant growers, it will be found that the sun is rapidly gaining in strength, and in consequence less fire will be needed during the day in bright weather, and also more ventilation than was called for in January. In most cases, however, it will not be found necessary to open the ventilators in the palm or fern houses before ten o'clock in the morning unless the month should prove to be unusually mild, and they should be closed again by half past three in the afternoon, or earlier if the sky becomes overcast. Fresh air is undoubtedly beneficial to all plants, but still there are many of them that feel the effect of cold draughts, and this principle should always be kept in mind when ventilating the houses during the winter months. It is not necessary that the water used for watering this class of plants should be actually warm, but it is decidedly better if one can temper



CATTLEYA TRIANÆ ALBA IN FLOWER JANUARY, 1905.

(In the collection of Dr. R. Schiffmann, St. Paul, Minn.)

smaller flowers than the ordinary type. This plant, however, bears large flowers and of fine form, absolutely snow white excepting a little diffused yellow in the throat. The plant, originally a large piece, was procured in Colombia and flowered three years ago when it was divided into five pieces of five to seven bulbs each. Two of these have now flowered and full exposure to the light and sun has proved them constant. The flower measures seven inches across, the petals are 2½ inches wide by 3½ inches long, the lip is one and three quarter inches wide. It is hardly necessary to add that he considers these among the gems of his collection.

The accompanying illustrations show the plants described, also a house of *Phalenopsis amabilis* of which he has now over forty plants in flower.

Diseased Roses.

ED. AM. FLORIST:—Enclosed please find a rose plant from one of our houses. We would be greatly obliged to you to tell us the cause of stems turning black. Our roses in general are looking well, but here and there are plants affected by this disease. At times they partly recover but it is a mere flicker of life, while next to affected plant may be one in robust health. M. R. & Co.

The plant had apparently been out of the bed for some time and was really too dry for a careful microscopic examination. However, in all the blackened regions of the stem a fungus was found, but as it was in a sterile condition its identity could not be determined. It is quite probable, however, that this may be parasitic and the cause of the trouble. It would probably be advisable for the grower to pull out and burn the diseased plants. A. F. W.

rally dries out the plants very frequently and necessitates thorough watering and syringing on every bright day. At this season, and in fact throughout all the period of heavy firing, it is a good practice to sprinkle the walks and under the benches in the early morning, before the regular



CATTLEYA TRIANÆ ALBA.

(In the collection of Dr. R. Schiffmann, St. Paul, Minn.)

the water just a little at this time of year, so that it may reach 60° or thereabouts, for the street supply upon which many of us have to depend will sometimes go as low as 38° during the winter months, and water of this temperature is somewhat of a check to the growth of tender plants, besides being very uncomfortable to the man behind the hose.



John T. Temple.

The commercial palms do not include many very tender ones, but one that may be affected by extremely cold water is *Livistona rotundifolia*, the young leaves of which are very likely to become crippled from this cause, the injury sometimes extending to the rotting out of the heart of the plant. Nor do I think that *Cocos Weddelliana* is benefited by watering with this icy water, though the injury may not be so soon apparent as in the case of the *livistona*. *Caryota urens* is also somewhat tender about the roots, especially during the dormant period, and neither likes very cold nor excessive watering at this season, for this palm does not start away to any great extent before the middle of March or the first of April. This latter palm is one that germinates quite quickly from fresh seed, though the seed does not come in until the early summer, and it also has the peculiarity of pushing the seed out of the soil on a long radicle in much the same manner as that of *Livistona chinensis*, reminding one of some of the beans until the sharp point of the first leaf of the *caryota* appears above the soil alongside of the seed.

Cocos seed is also beginning to appear in the market at this time, but sometimes these early lots of seed have not been well matured before they were gathered, and may not give as good a percentage of germination as a later crop. In addition to this there is the danger of having the seed frozen in transit unless it be very carefully packed, so that many conservative growers are willing to wait a little longer in the hope of a better result, for *Cocos Weddelliana* does not give a very high percentage of seedlings from the average lot of seed.

The advantage of using shallow pots

or pans for these seeds in order to turn the stiff tap roots of the seedlings and thus make them more convenient subjects for potting, has been noted in these columns before, and also the fact that some growers have sown the seeds singly in small pots with a view to saving the roots from breakage, the broken roots being the chief cause of the seedlings rotting off after the first potting. But, whatever be the method adopted for sowing the seeds, the seed pots should be placed in a warm portion of the greenhouse and kept moist, the seeds being covered to a depth of about one inch with light soil, pure peat answering very well for this purpose.

The regular spring potting is still a matter for future consideration in the palm house, for growth is not so very active yet, though on turning a strong and healthy plant of *areca* or *latania* out of its pot, the fresh growing tips on many of the roots may be seen, showing that the stronger sunlight is beginning to exert some influence on the plants, and that it will not be very long before more top growth will be visible. In the meantime there may be some lots of stock, *kentias* possibly, that were potted in the fall and would be helped along by the removal of some of the surface soil and a topdressing of fresh compost, this applying to such plants as are not in need of another shift this spring. Such an operation is not only beneficial to the plants, but also gets that much more work out of the way before the spring rush.

It is not unusual to find quite early in February that the sun's rays have been so focussed through the medium of a defective pane of glass as to produce an unsightly burn on the foliage of some of the palms, and while this trouble may be avoided to some extent by hunting for the blistered glass and then giving it a dab of paint, yet it will soon be needful to apply a slight shade to the west side of the palm houses, even though this shading may have to be renewed two or three times on account of the frost and snow that so soon loosens and removes it.

W. H. TAPLIN.

Bank of Ferns and Lorraine Begonias.

The fern bank, the subject of the accompanying illustration was put up in the latter part of July, 1904. The begonias were planted from thumb pots August 7, and although very small, they took hold immediately and seemed to fairly revel in their rather novel quarters. While the warm weather lasted the bank was syringed every day and the begonias stood it with immunity. Owing to the lateness of the season when they were planted the begonias did not have time to develop into large plants, but they were at this date, December 2, 1904, when the photograph was taken, a mass of bloom and have been so for a month. The photograph does not begin to do justice to the beauty of the bank. The beauty of clusters of bloom of the "queen of begonias" intermixed with *adiantum*, *pteris*, *selaginella*, etc., with a perfect mat of *lycopodium* for a background, can better be imagined than described.

WILLIAM WATT.

A Veteran's Views of New S. A. F. Directors.

ED. AMERICAN FLORIST:—

As a well wisher for the future of the S. A. F., I was more than pleased with President Vaughan's selection of Messrs. Elliott and Hallock for directors. They are both practical men with advanced ideas and the S. A. F. needs such at the present time, especially to counteract the influence of the offshoot associations as the carnation, chrysanthemum, peony, rose and even bowling, shooting, Ananias and kindred societies. Not but that they are well enough in their place, but the national Society of American Florists should be upheld better than it is. Mr. Vaughan started right in choosing two such good, practical men to assist him as directors, being personally acquainted with both of them for many years. I predict they will assist the president and officers in making the S. A. F. a great power for the advancement of all sections of floriculture in America. Now it is up to all



PHALAENOPSIS AMABILIS IN FLOWER JANUARY, 1905.

(In the collection of Dr. R. Schiffmann, St. Paul, Minn.)

the florists' clubs and every gardener and florist in the United States to assist President Vaughan and his council in promoting the welfare of the grand S. A. F.

J. T. TEMPLE.

[For twenty years Mr. Temple has been one of the most modest lookers-on in S. A. F. affairs, yet no member living is a more critical observer or has a broader knowledge of the society's affairs. We may add likewise, that there is no one who has a higher regard for its welfare.—Ed.]

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 25 were as follows: New York, cucumbers, No. 1, \$1.25 to \$1.75 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce 50 cents to 75 cents per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, \$1.50 to \$2.50 per 100; tomatoes, 10 cents to 25 cents per pound; rhubarb, \$2 to \$3 per 100 bunches. Chicago, mushrooms, 15 cents to 40 cents per pound. Kansas City, mushrooms, 35 cents per pound. Philadelphia, mushrooms, 35 cents to 40 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Buffalo, cucumbers, 75 cents to \$1.50 per dozen. Pittsburg, cucumbers, \$1.75 to \$2.25 per dozen. Cleveland, mushrooms, 40 cents to 50 cents per pound. Detroit, cucumbers, \$1.60 per dozen; lettuce, 9 cents to 10 cents per pound. St. Louis, cucumbers, \$2 per dozen. Denver, cucumbers \$2.50 to \$3 per dozen. Cincinnati, cucumbers, \$2 to \$2.25 per dozen.

New York.

WEATHER IS MILD.

The mild weather of the past few days did not bring the improvement expected in the cut flower market. Conditions if anything are rather worse on account of the increase in arrivals, and consequent accumulations of left over stock. Roses, which have shown strength for some time, are now dragging and clean up badly. Bride and Bridesmaid roses have dropped in price and fine specials move very slowly at maximum quotations. American Beauty hold their own, but the demand for them is freakish. The rose crop is getting heavier, and unless the buying rapidly improves values must be further affected. Carnations are more plentiful than ever, and very few go off at the 6 cent figure. Enchantress, which has commanded top prices all along, is now down to the level of the ordinary varieties, and is not taken very freely at three cents. There is quite a lot of mignonette on hand, but retailers pass it by even at clean up prices, as they say they cannot sell it. Bulbous stock continues plentiful, but when the choicest of it is taken the other grades move only when big concessions are made. Violets are moving better, and accumulations are no longer a problem; prices, however, are unchanged. In comparison with the market of a year ago the volume of business is less, but prices in general are about the same.

Market, March 1.—The market conditions remain practically unchanged today.



BANK OF FERNS AND LORRAINE BEGONIAS.

NOTES.

Ferdinand Mangold, well known as the head gardener of the Gould estate at Lyndhurst, with a service of thirty-eight years, died recently at the age of 77 years, and was buried February 21 in Sleepy Hollow Cemetery, Tarrytown, N. Y. Miss Helen Gould was present at the funeral services held in the Presbyterian church, Irvington, and many flowers were sent by the Gould family. It was under Mr. Mangold's supervision that the large conservatories at Lyndhurst were built. The deceased was born in Germany, came to this country when a young man, and spent most of his life on the Gould estate. He celebrated his golden wedding last fall.

Wm. Uhlin, for many years a trusted driver of Julius Roehrs Company, a few days ago essayed to stop a runaway team on the road fronting the Roehrs establishment in Rutherford. He slipped as he caught at the runaway's reins, fell on his head and fractured his skull so badly that in spite of the best surgical skill he died within thirty-six hours of the occurrence. The employers of the deceased speak very highly of him as a faithful servant.

Walter Reimels, who handles the produce of his father, John Reimels, of Woodhaven, L. I., in the New York market, has been confined to his home over a week as a result of a fall on the icy roads in the vicinity of the greenhouses. He is improving rapidly and will soon resume work. In the meantime Moore,

Hentz & Nash are handling the carnation product.

Joseph Leikens had the decorations for a spring dinner last week, and they of course consisted entirely of spring flowers. A large flat center piece was filled with over thirty different varieties, bulbous stock predominating. A large open fireplace in the dining room was banked entirely with tulips. The effect of the whole was to present a picture of spring.

A petition in bankruptcy has been filed against Sigmund Geller, of 108 W. Twenty-eighth street, dealer in and importer of florists' supplies. Judge Holt of the United States district court has appointed Geo. S. Kebabian receiver of the assets, under a bond of \$1,500. Mr. Geller has been in business seven years.

The Florists' bowling club had its weekly meeting on Monday in the evening as heretofore, the afternoon arrangement not proving satisfactory to a majority of the bowlers. The club will meet the Hoboken florists in another match game on Saturday, March 4.

C. W. Eberman, of Castle Corner, N. Y., for some time in charge of the plant, seed, and flower department of the Siegel-Cooper Company's department store, has severed his connection with that concern, and will soon start for himself in the florist business.

Wm. Elliott & Sons will start the auction season early in March. It is rumored that another new auction firm

is making preparations to begin business next month, so this particular branch of the business bids fair to assume lively proportions.

Early last Saturday morning thieves took about two van loads of palms and rubbers from the greenhouses of August Schrader at Elmhurst, and the same morning Charles Lustgarten was robbed of two dozen boxes of bulbous stock.

N. Lecakes, of Lecakes & Company, started two weeks ago for Athens, Greece and is not expected to return until May. In his absence John A. Feley will look after his interests.

Alex. J. Guttman showed Victory carnation at the Buffalo Florists' Club last week, and was awarded a certificate of merit.

John Gunther is holding his own in the attack of typhoid fever from which he is suffering.

Joseph S. Fenrich is receiving large daily shipments of fine white sweet peas.

Chicago.

THE MARKET.

The weather has moderated considerably the past week and stock of all kinds is coming in more plentifully. Local retail trade has a better tone and wholesale trade was generally good. Shipping trade has been very satisfactory the demand keeping well up with the supply. One leading house states that the month of February just passed eclipsed any month of the present winter in point of sales and sale values. American Beauty roses continue to be the only real scarcity in the local market, but the conditions promise to improve in a few weeks as a number of the larger growers are about due with heavy spring cuts. Teas are keeping to good form in both quality and supply and the demand has been heavy enough, generally speaking to keep the daily receipts moving along. There is not much change in the carnation market. Red and fancy white continue short and the standard varieties find little difficulty in moving. Bulbous stock has held a fairly good sale owing, in a measure, to the scarcity of American Beauty and the better carnations. Smilax and greens have been selling well.

NOTES.

A bill is before the state legislature to provide an appropriation of \$30,000 to be expended in the interests of the "home beautiful," in the way of making experiments and disseminating knowledge as to best methods of growing plants and flowers, protecting them from insects, fungous diseases, etc., and also information as to the improvement of the home grounds of the state. The experiments are to be made at the agricultural experiment station of the University of Illinois, and an advisory committee of five from the State Florists' Association is to help. Arrangements have been made to send a delegation of local florists to Springfield to aid in securing the passage of the measure. A committee of the Florists' Club, consisting of W. N. Rudd, James Hartshorne, P. J. Foley and Leonard Kill, went to Springfield Tuesday evening, February 28, to meet the house committee having the bill in charge.

On the evening of Saturday, February 25, at the office of the Benthley-Coatsworth Company, preliminary steps

were taken by the local florists toward organizing a state florists' association, to be known as the Illinois State Florists' Association. W. N. Rudd acted as chairman of the meeting and Prof. H. Hasselbring, of the University of Chicago, as temporary secretary. A committee was appointed to secure a charter and to draft a constitution and set of by-laws.

Among the best Lawson carnations seen in the local market are those now being cut by J. A. Budlong. Bride and Bridesmaid roses of superior color, stem and head are also now in good crop.

George Weldon, familiarly known as "Darby," and who for the past twenty years has been well known in the local market, is confined to the county hospital suffering from pneumonia.

L. Baumann & Company report spring trade in florists' supplies opening most auspiciously. They are offering several meritorious novelties.

There is some flurry about southern smilax, but it seems there is still a good supply of high grade material on hand.

The Benthley-Coatsworth Company take considerable and just pride in the Bridesmaid roses they are now cutting.

George Reinberg's general run of roses and carnations is of splendid spring quality.

Bassett & Washburn report a steadily increasing demand for rose plants and cuttings.

Kennicott's report a good shipping demand.

Visitors this week were J. L. Graver, of Shotwell & Graver, Fargo, N. D., and Charles P. Mueller, of Wichita, Kan.; A. H. Stolper, successor to Richard Alston, of Winnipeg.

Philadelphia.

MARKET SHOWS IMPROVEMENT.

There was quite an improvement over the previous week and the season from now on until Lent sets in should be gay enough to give all hands plenty to do. Stock is becoming more plentiful as the sunny days increase. American Beauty roses, however, continue scarce and maintain their price of \$7.50 per dozen for the specials, while at the Flower Market they get \$9 per for a choice dozen or two. Bride are in good demand at 12 to 15 cents while for a few of the largest 20 cents is asked. Carnations are of good quality with prices a trifle easier; \$3 buys the best Lawson while Enchantress has dropped a point and the best now sell at \$5; \$2 and \$3 buys the quick moving grade, being seconds of above varieties. Violets large, single, sell well at 50 to 60 cents while good doubles do not bring any more. Freesia has sold well this season; \$3 seems to be high now. Lilac is a trifle scarcer one or two of the growers being cut out. Prices are about the same. Gardenias although in fairly good demand are away down, \$1.50 per dozen being now the price. There has been great improvement in the quality of the stock this season and about three times as many have been handled up to the present time as any previous year and at prices better if anything. Several growers say they believe they can get them in from two weeks to a month earlier next season. It would be a pity to see the price of this flower deteriorate as it would soon lose caste with the class that think so much of it now.

NOTES.

We are glad to see that the essay committee is to have a rose night at the March meeting of the Florists' Club. The carnation night at the last gathering was most enjoyable and instructive and all the members will look forward for another if not even a more interesting display. All the new ones should be there as this is a great rose center and things with merit are quickly appreciated.

W. K. Harris has been on the sick list the past week, having had a severe attack of grip. At this writing he is a trifle better but still a very sick man.

Edwin Lonsdale is now on the mend after a second operation and hopes soon to be about.

The Pennsylvania Horticultural Society held its last monthly meeting in the afternoon and quite a few members were disappointed as they came in the evening and found the doors closed. They will read their cards closer next time.

At the market they are doing quite a business in American Beauty roses. Some of their specials have been bringing \$9 per dozen the past week. They are also handling some choice single violets.

The Leo Niessen Company is handling some extra choice Liberty roses. They have some large orders for Washington for this week.

The Philadelphia Wholesale Cut Flower Company reports a clean-up nearly every day now. K.

Springfield, Ill.

LEGISLATION DESIGNED TO AID FLORICULTURE.

Florists and market gardeners throughout the United States will be interested in a bill which was introduced in the Illinois house of representatives at Springfield, February 22, proposing a radical departure from precedent by the Illinois experiment station in recognition of the importance of the industry of growing flowers and vegetables under glass, and of the decoration of home grounds.

This bill would have the state take official cognizance of the value of floriculture, both in greenhouses and in outdoor gardens. It seeks to appropriate \$20,000 for 1905 and \$10,000 for 1906 to be used by the agricultural experiment station of the University of Illinois at Champaign to investigate improved methods of producing flowers and vegetables under glass; to discover the most economical methods of constructing greenhouses and the best methods of heating them; to ascertain the cultural, soil and fertilizer requirements of greenhouse-grown flowers and vegetables and the best methods of protecting them from fungous diseases and insects; to ascertain and demonstrate the best methods of growing ornamental plants for home decoration in the various sections and on different soils of the state and to collect and disseminate information regarding the improvement of home grounds.

The \$30,000 is to be expended in investigations conducted on lines laid out by the director of the state experiment station and an advisory committee of five members appointed by the florists' association of Illinois. The bill was introduced by Representative Dennis E. Gibbons, of Deerfield, Ill., but

came from Alderman Peter Reinberg of Chicago, the well known grower.

To pass this bill a determined effort on the part of the florists of Chicago and other Illinois centers will be necessary as the members of the legislature are not appreciative of the value of flowers. In fact the opening day of the legislature, once a source of large profits to the florists of Springfield, and a scene of beauty with the desks of members buried in bloom, has become a very tame affair from a florist's standpoint, few bouquets being sent to members by their friends and those few being of poor quality. The members from Chicago are guided in voting on bills affecting the agricultural college by the opinions of their rural brothers, and the country members think the agricultural experiment station exists to experiment in growing potatoes, corn, wheat, etc., not flowers.

Here is an opportunity for the florists and gardeners of the state to begin the work of educating the public in a manner that will produce big results. The sermons on the value of gardening that have been preached to trade assemblies would make an impression on the members of the legislature. The papers read at the conference of horticulturists in St. Louis, if presented before the committees of the house and senate by men whose names are well known in the horticultural world, could not fail to win over legislative supporters to the cause, and if they did not make the bill pass this session, they would at least produce a great and most beneficial effect. The newspapers would give wide publicity to the crusade and the way would be paved to give floriculture such recognition as is now accorded agriculture and to teach the people that the cultivation of plants for adornment is important equally with the cultivation of plants for food.

TEXT OF THE BILL.

The text of the bill, which will be known as the Gibbons bill, follows:

An act to provide for investigations in floriculture and the improvement of home grounds. Be it enacted by the people of the State of Illinois represented in the general assembly:

Section 1. That it shall be the duty of the agricultural experiment station of the University of Illinois to investigate improved methods of producing flowers and vegetables under glass; to discover the most economical methods of constructing greenhouses and best methods of heating same; to ascertain cultural, soil and fertilizer requirements of these plants and the best methods of protecting the same from fungous diseases and insects; to ascertain and demonstrate the best methods of growing ornamental plants for home decoration in the various sections and on different soils of the State and to collect and disseminate information regarding the improvement of home grounds of the State.

Section 2. That to carry out the provisions of this section there be and hereby is appropriated the sum of \$20,000 for the year 1905 and \$10,000 for the year 1906. Provided, that the work undertaken as outlined in this act be conducted on lines to be agreed on by the director of the agricultural experiment station and an advisory committee of five appointed by the Illinois state florists' associations.

Section 3. That the auditor of public accounts be and hereby is authorized to draw his warrant on the state treasurer for the sum herein appropriated upon order of the chairman of the board of trustees of the University of Illinois, countersigned by its secretary and with the corporate seal of said university. Nothing herein contained shall be deemed to take away from the board of trustees the usual authority conferred by law over the expenditure of moneys appropriated to said university. The recommendations of the committee herein provided shall be advisory, but the use of the moneys herein appropri-

ated shall rest in the discretion of said board for the purposes herein set forth and said board shall account therefor.

Peter Reinberg, Leonard Kill, P. J. Hauswirth, George Asmus, W. N. Rudd and P. J. Foley have been here this week in the interest of the Chicago trade.

San Antonio, Texas.

Otto Koehler, George Hansen, gardener, has just completed a neat conservatory 18x25 ft. designed by J. C. Moninger Company, Chicago. The Koehler residence and grounds on Laurel Heights are the finest in the city, costing over \$100,000.

Mrs. S. Maverick is looking for a buyer; desires to give up her business.

The Hauser Floral Company is cutting very fine lily of the valley.

Daffodils are in bloom outdoors.

OBITUARY.

Charles Vesey.

Charles E. Vesey, brother of Judge William J. Vesey, of Fort Wayne, Ind., died February 19. The decedent, who was thirty-seven years of age, was a man of unusually brilliant attainments. He was a musician of ability and had composed several highly creditable productions. By profession he was a teacher but for several years he was compelled because of ill health to abandon his work. Of late, however, he had improved to such an extent that he contemplated resuming his work in the spring. The cause of Mr. Vesey's death was lockjaw, which resulted from the penetration of a rusty nail into his foot. He was to have been married in the near future to Miss Tillie Meinhardt, of St. Louis, who with her brother, Fred Meinhardt, was at his bedside when dissolution took place.

John Spalding.

John Spalding died at his home in New London, Conn., February 17, at the advanced age of 91 years. For the past four or five years Mr. Spalding had been blind. He is survived by a wife and leaves some nephews and nieces, but had no other near relatives. Mr. Spalding was born on Christmas day, 1813, at Woodside, Perthshire, Scotland, one of a large family of children of Thomas Spalding, who died in 1876, aged 91. Thomas Spalding was one of the famous gardeners of his region, a man of large ideas and deep thought and passionately fond of his work, which made him acquainted with much that was new and true in nature. In his early life he held the position of gardener on a number of large estates. About forty years ago Mr. Spalding thought he would set up for himself and he went to New London to buy the Starr greenhouses on the Neck, as it was called, but decided that the tract of land on Main street would be a better purchase, and he bought this from Governor Frank B. Loomis. Mr. Spalding bought the Richards house, in which the daughter of Capt. Guy Richards of Revolutionary fame was lying ill in the invasion of New London by Arnold, and which secured the sparing of the house in 1781.

Farquhar Macrae.

Farquhar Macrae, one of the best known florists in Providence, R. I., died February 21, aged 62 years. Death was unexpected, Mr. Macrae having been sick for two days only. Peritonitis was the cause.

He was born in Rossshire, Scotland, in 1843, and in that country gained the experience in horticultural pursuits that enabled him to build up the first successful extensive wholesale florist business in this part of the United States. He served his time in Conon Gardens, on the estate of Sir Kenneth McKenzie, where he worked for four years, afterward following his trade on several prominent places in England and Scotland before coming to this country. He sailed for the United States about thirty-five years ago, coming to Providence in July, 1870. The first nine or ten years of his career here were spent as expert grape grower on Willard Whitcomb's place on the east side of the river, later owned by L. C. Eddy and now by Warren Fales. Here he developed the industry of grape growing under glass, and the products of the Whitcomb place, raised by his hands, became famous in the New York market, where they were in demand for several years, and commanded the highest prices.

About the year 1880 he embarked in the wholesale florist business, locating on the old G. W. Chapin place at Fruit Hill. The florist business was then in its infancy, but he made a success of it from the start, and in a few years he purchased a piece of land on Smith street. Here he built a model greenhouse plant for those times, growing successfully for the wholesale market of Providence and vicinity. The business succeeded to such an extent that he soon outgrew his plant, and disposing of the same to his brother, John A. Macrae, he purchased a tract of 20 acres in the immediate vicinity, where he established the plant which he conducted up to the time of his death. It is estimated that the plant includes 100,000 square feet of glass.

Mr. Macrae took a great interest in the Society of American Florists at one time, holding the office of vice president in that organization, and being mainly instrumental in securing the annual convention in Providence a few years ago. He took a prominent part in organizing the Rhode Island Florists' and Gardeners' Club, in which he held office at various times. He was one of the prominent members of the Rhode Island Horticultural Society. Besides his brother, Mr. Macrae is survived by a sister, Mrs. Batchelder, of Beverly, Mass. He leaves a widow and eight children. See portrait, page 232.

UTICA, N. Y.—J. C. Spencer and Henry G. Martin have formed a co-partnership under the firm name of Spencer & Martin, and opened a flower store February 17 at 221 Genesee street.

FAIRHAVEN, MASS.—Since Washington's birthday the greenhouses of Walter P. Winsor have been open to the public. His orchid collection is among the best in the country. Mr. Winsor's head gardener is Peter Murray.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
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No Special Position Guaranteed.

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tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

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The advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for that Saturday.
Address

AMERICAN FLORIST CO., Chicago.

*When sending us change of address, always send
the old address at the same time.*

DAKOTA has made the wild prairie
rose the state emblem.

SOUTHERN SMILAX men, east and west,
are having an inning just now, but it
seems there is still plenty of stock held
in few hands.

It should be remembered that at
Philadelphia the call for greens, adian-
tum, asparagus, etc., last April and
early May was much heavier than for
flowers.

Carnation Flamingo.

ED. AMERICAN FLORIST:—

In your issue of February 11 you give
some notes made at the Thompson Car-
nation Company's place. The statement
is made that flowers of Flamingo "turn
black when cut." I must say that I
cannot account for this as I have never
had any such experience with this vari-
ety. With us it is a remarkably good
keeper both before and after being cut.
In fact it is so satisfactory that it is
the only red we shall grow until some
other variety has proven itself better.

LOUIS E. MARQUISEE.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Register your new plants. As soon
as you have ascertained that a seedling
has the requisite merit to entitle it to a
permanent existence and have given it a
name, register name and description
with the secretary of the national soci-
ety. The record will then be published
and your plant will be protected in its
right to the exclusive use of the name
you have bestowed on it. For regis-
tration blanks and all information
write to the secretary.

WM. J. STEWART, Sec'y.

American Rose Society.

Complete schedules for the approach-
ing rose exhibition at Horticultural
hall, Boston, have been mailed to all
members of the American Rose Society,
and inclosed with each schedule an
entry card. All others not members of
the society can have copies on applica-
tion to the secretary. The number of
special premiums is large and an exhibi-
tion of unprecedented diversity and
beauty is assured. M. H. Walsh's dis-
play of Rambler roses alone will be
worth crossing the continent to see, and
every one interested in the rose, com-
mercially or otherwise, should take

advantage of this opportunity to see a
superb exhibition and meet the fore-
most rosarians of America. Come your-
self and bring an exhibit with you.

Exhibits may be sent, prepaid, care
of William Nicholson, Horticultural hall,
Boston. For the convenience of exhibi-
tors at a distance Welch Brothers, 15
Province street, Boston, have gener-
ously placed their refrigerators and
other conveniences of their establish-
ment at the disposal of exhibitors who
may, if they so desire, ship their boxes
in advance to Welch Brothers' care,
giving explicit instructions by mail as
to what disposition they wish made of
them,—whether the boxes are to be
kept unopened, or whether the flowers
are to be taken out and placed in jars
of water until required. All instruc-
tions will be carefully complied with.

WM. J. STEWART, Sec'y.

American Carnation Society.

DEPARTMENT OF PLANT REGISTRATION.

By F. H. Kramer, Washington, D. C.,
F. H. Kramer, a cross between Lawson
and Marquis; color a shade brighter
than Lawson; flower a trifle larger,
with no short stems in the fall and does
not burst. In growth it is strong and
is entirely free from disease, a contin-
uous bloomer and stems stand without
support.

ALBERT M. HERR, Sec'y.

The Glass Market.

The glass market, while compara-
tively quiet locally, is in a good, healthy
condition, says the New York Commer-
cial. The American Window Glass Com-
pany and the independents claim to be
well sold ahead and stocks in jobbers'
hands are not above normal for the time
of year. Jobbing trade has suffered in
sympathy with general conditions due to
inclement weather, but prospects are
bright in view of the outlook for active
building operations in the early spring.
Sellers are holding well together and
there are fewer complaints of cutting
prices than usual.

New York Paint and Oil Trade.

The prospects for good business are
favorable, as manufacturers continue
to make extensive preparations for the
spring and summer demand, says the
Commoner and Glassworker. The latter
undoubtedly will be heavy as a result
of the plans filed for building opera-
tions in numerous sections of the coun-
try since the opening of the year, which
show a considerable increase over any
previous year. In white lead business
has been hampered by the ice floes in
harbors and congestion in traffic. As a
rule corrodors are refusing to book
business for supplies for delivery not
later than the end of April but some
orders have been booked for shipment
to July.

Meetings Next Week.

[Secretaries of societies are requested to
send us advance information of special meet-
ings, and of changes in dates of regular
meetings.]

Boston, Mass.—Massachusetts Horti-
cultural Society, Horticultural Hall, 300
Massachusetts avenue, Saturday, March
11, at 11 a. m. Lecture on "The
Return to Nature," by Miss Maud Sum-
mers.

Butte, Mont.—Montana Florists'
Club, Columbia Gardens, Friday,
March 10.

Chicago, Ill.—Chicago Florists' Club,
Handel Hall, 40 Randolph street, Thurs-
day, March 9, at 8 p. m.

Cincinnati, O.—Cincinnati Florists'
Society, Jabez Elliott Flower Market,
Saturday, March 11, at 8 p. m.

Denver, Colo.—Denver Floral Club,
322 Charles Block, Friday, March 10, at
8 p. m.

Hamilton, Ont.—Hamilton Gardeners'
and Florists' Club, office of member,
Tuesday, March 7, at 8 p. m.

Hartford, Conn.—Hartford Florists'
Club, Friday, March 10, at 8 p. m.

Indianapolis, Ind.—State Florists'
Association of Indiana, Commercial
Club rooms, Tuesday, March 7, at 7:30
p. m.

Louisville, Ky.—The Kentucky Soci-
ety of Florists' Tuesday, March 7, at
8 p. m.

Madison, N. J.—Morris County Gar-
deners' and Florists' Society, Masonic
Hall, Wednesday, March 8, at 7:30 p. m.

Milwaukee, Wis.—Milwaukee Flo-
rists' Club, Empire building, West
Water and Grand avenue, Tuesday,
March 7.

Moline, Ill.—Tri-City Florists' Club,
Thursday, March 9.

Montreal, Que.—Montreal Gardeners'
and Florists' Club, Alexandria rooms,
2204 St. Catherine street, Monday,
March 6.

New Bedford, Mass.—New Bedford
Horticultural Society, Thursday,
March 9.

New Bedford, Mass.—New Bedford
Florists' Club, Thursday, March 9.

New Haven, Conn.—New Haven
County Horticultural Society, Tuesday,
March 7.

New London.—Gardeners' and Flo-
rists' Club; at greenhouses of Secretary
H. H. Appeldorn, Tuesday, March 7.

Omaha, Neb.—Nebraska Florists'
Society, City Hall, Thursday, March 9,
at 8 p. m.

Philadelphia, Pa.—Florists' Club of
Philadelphia, Horticultural Hall, Broad
street above Spruce, Tuesday, March 7,
at 8 p. m.

Pittsburg, Pa.—Pittsburg and Alle-
gheny Gardeners' and Florists' Club,
422 Sixth avenue, Tuesday, March 7, at
8 p. m.

Providence, R. I.—Florists' and Gar-
deners' Club of Rhode Island, 96 West-
minster street, Thursday, March 9, at
8 p. m.

Salt Lake City, Utah.—Salt Lake Flo-
rists' Society, Friday, March 10.

St. Louis, Mo.—St. Louis Florists'
Club, Odd Fellows Hall No. 2, 9th and
Olive street, Thursday, March 9, at
2 p. m.

St. Louis, Mo.—Florists' Club annual
rose meeting, March 9.

Tuxedo, N. Y.—Tuxedo Horticultural
Society, Tuesday, March 7.

Washington, D. C.—Washington Flo-
rists' Club, Schmidt's Hall, 516 Ninth
street, Tuesday, March 7.

Worcester, Mass.—Worcester County
Horticultural Society, Horticultural
Hall, Thursday, March 9.

Worcester, Mass.—Worcester County
Horticultural Society, Wednesday,
March 8, annual reunion; Wednesday
and Thursday, March 8 and 9 Massachu-
setts Fruit Growers' convention; Thurs-
day, March 9, lecture on "The Apple,
the King of Fruits," by W. D. Baker.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—By young man desiring to learn the trade; prefer growing roses and carnations. Full particulars given on receipt of address. Box 171, care American Florist.

Situation Wanted—By Danish florist age 25, 9 years' in Denmark, England and United States; commercial or private. Address EDGAR JOHANSON, Fowler, Colo.

Situation Wanted—By an all-around grower, middle aged, west preferred. State wages with and without board. Address Box 173, care American Florist.

Situation Wanted—Young German, 26, with some experience wishes position where roses and carnations are grown. Address Box 182, care American Florist.

Situation Wanted—By florist, single, 28 years of age; grower of cut flowers, bedding plants, also a good propagator and gardener. Address A. C. 701 Milwaukee Ave., Chicago.

Situation Wanted—By a boy 16 years old, German-American, obliging and honest, to learn the florist trade. Address HENRY DUMKE, Wileys Mill, Blandon, Pa.

Situation Wanted—By a strong boy past fourteen, fairly well educated, desires to learn the florist trade. Address CHARLES DUMKE, Wileys Mill, Blandon, Pa.

Situation Wanted—As gardener: fully competent to take charge of a fully equipped private place. Has good references. French, married, one child. Address JULES BAYT, Glenside, Pa.

Situation Wanted—April 1, by Swede, age 25; 8 years' experience in cut flowers, pot plants and vegetables. Absolutely sober. single. Good references. State wages. Address C. WERNER, Mt. Vernon, Va.

Situation Wanted—On a private or commercial place, by an experienced young man, single, 25 years of age; life experience in all different branches, and able to take charge. Address Box 164, care American Florist.

Situation Wanted—By all-around florist and gardener, 28 years of age. Swede; life experience in Europe and this country; capable of taking charge. Private place preferred. First-class references. Address Box 188, care American Florist.

Situation Wanted—As working foreman, 33 years of age, single, reliable, sober, German, 19 years' experience in roses, carnations, bedding, design, landscape, vegetables, etc.; best of references. Please state wages. Address Box 163, care American Florist.

Situation Wanted—By French gardener, 30 years old, single, sober; life experience in all branches. Can furnish first-class references. American private place in east preferred. Apply to B. GUERRY, Hotel of Paris, 8th St., near Olive, St. Louis, Mo.

Situation Wanted—As foreman on good sized commercial place where growing roses for cut flowers is made a specialty. Refer to Alex. Montgomery, Waban Rose Conservatories, Natick, Mass. Address Box 183, care American Florist.

Situation Wanted—To take charge of large private estate or public institution by florist and landscape gardener; German, 36 years of age; life experience; best of references. Kindly state wages and particulars. Address Box 181, care American Florist.

Situation Wanted—Orchid grower, propagator, fancy plant grower, etc., wants position. Private or commercial. Capable to take charge of a good establishment. 25 years' experience. References A1. Apply No. 24, JULIUS ROEHRS, Rutherford, N. J.

Situation Wanted—By German, single, age 30; 10 years' experience in this country, to take charge of modern greenhouses where general line of stock is grown for retail trade. Thoroughly competent in roses, carnations, 'mums and general stock growing. Can furnish good references. Please state particulars, wages, etc. Address Box 186, care American Florist.

Help Wanted—A reliable man to take charge of small place, to grow carnations, roses, 'mums, violets and general stock. Address E. POWERS, Frankfort, Ky.

Help Wanted—Rose grower, specialist for Beauties and teas; private establishment; good wages to competent man. Address G. S. G., care American Florist.

Help Wanted—Man for general greenhouse work; must be sober and steady. Good position for right man. Address J. R. HELLENTHAL, Columbus, O.

Help Wanted—Good counter man in seed store, must understand gardeners' requirements; give references, age, qualifications and present condition. J. A. EVERTT, Indianapolis, Ind.

Help Wanted—A good sober and reliable florist for general greenhouse work. Must be able to take charge of about 8,000 feet of glass in general stock. State wages wanted, with references. LOUIS BAUSCHER, Freeport, Ill.

Help Wanted—Gardeners, 25 to 30 years of age, with some knowledge of landscape gardening, good wages, only good workers need apply. Address C. G. DE WEVER, Head Gardener, Lewis Pub. Co., St. Louis, Mo.

Help Wanted—Working foreman, 25 to 30 years of age, with executive ability, capable of handling men, acquainted with landscape gardening. Address C. E. DE WEVER, Head Gardener, Lewis Pub. Co., St. Louis, Mo.

Help Wanted—A good, quick, up-to-date man for the management of our greenhouses. \$25.00 a month and board. Must have good habits, steady and polite. Address Box 184, care American Florist.

Help Wanted—A florist who understands growing roses, carnations, 'mums and general stock for planting out one who understands design work. References required. Must be sober and industrious. Address Box 185, care American Florist.

Help Wanted—A florist who understands roses, carnations, 'mums and general stock. Young single man preferred. Wages \$7.50 with good board and room. References required. State particulars in first letter. J. H. KRONE, Jr., Fort Smith, Ark.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Help Wanted—First-class man to take charge of retail store with an established trade, in a live western city. Must be a good designer and decorator, neat and gentlemanly in appearance, honest, industrious and sober, and capable of taking full charge of the business and conducting it profitably. Apply with references and photograph. Address L. L. MAY & Co., St. Paul, Minn.

Help Wanted—Florist and gardener must understand general greenhouse work and growing miscellaneous plants. Permanent position with chance to advance. If married could use wife for doing housework, etc. Wages \$4.00 without board or house. Give reference or send letters and state when you can come in first letter. A. J. SEIVERS, College of Industrial Arts, Denton, Tex.

Wanted—A large quantity of 1-inch, 1½-inch and 2-inch pipe, second-hand and must be in good condition. Address MIAMI FLORAL Co., Dayton, O.

For Sale—Ballard's Greenhouse. \$750. Perry, Iowa.

For Sale—Greenhouse property in thriving town in southern Michigan for sale cheap, if sold quick. Reasons for selling, sickness. Little cash will take it. Write to P. THOMAS, Hudson, Mich.

For Rent—\$50 per month, five greenhouses, 9,000 square feet of glass, nine and one-half acres of good ground, house and barn, long lease, \$1,000 cash for stock, etc., near Chicago. Address Box 152, care American Florist.

For Sale or Lease—For a term of years, a modern greenhouse plant of 25,000 sq. ft. of glass, Stable, cottage and hen houses. Situated in a pleasant Massachusetts village. Address Box 174, care American Florist.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale—A greenhouse property in a flourishing town of 8,000 inhabitants in the state of Indiana; houses stocked with roses, carnations, miscellaneous stock and bedding plants; a separate store building in front of greenhouses. For particulars address Box 162, care American Florist.

For Sale—Nurseries of three acres, including 12,000 feet of glass; heated with hot water, fully stocked with palms, ferns and house plants; 24,000 feet of lath house, 5,000 smilax, 500 Asparagus plumosus, etc. The site is on the bon-ton street, twenty blocks from business section. For further particulars and price address HOUSTON, LOCK & BROWN, 715 Braly Building, Los Angeles, Cal.

For Sale—Having decided to retire from the greenhouse business we are going to sell our entire plant at a bargain, consisting of 12,000 square feet of glass, all built new and up-to-date, heated with steam, complete for carrying on retail or wholesale business, two dwellings, barn and all equipments for running a first-class establishment; been established 12 years in a city of 10,000; no competition, elegant retail trade, plenty of land for enlarging. For particulars address Box 172, care American Florist.

UNUSUAL OPPORTUNITY.

For Sale—Greenhouse property, stock and retail business, consisting of eight greenhouses and store, about 32,000 feet of glass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philadelphia, right in center of a growing population. Doing a first-class retail business. A splendid opportunity; only \$3,500 cash required, remainder can remain on mortgage at 5 per cent. To close an estate. Box 114, care American Florist.

FOR SALE: SUBURBAN GROUNDS.

The handsome grounds occupied for years for experimental nursery and private park by Fair Oaks Nursery Co., corner N. Oak Park Ave. and Thomas St. Size 250x330 ft. Well filled with ornamental hardy stock, fruit and shade trees, flowering shrubs, peonies, roses, perennials. Also specimen trees and evergreens. Finely situated on main thoroughfare near Westward Ho Golf Club and Horse Show Grounds. Useful for retail nursery or fine residence grounds for flower lover. Heavy shrubbery borders and well-filled beds. Only one block north of the famous Fair Oaks subdivision. Now finest residence district. Electric cars two blocks. Prices reasonable. EDWARD PAYSON, Oak Park, Ill.

FOR SALE—About 50,000 feet of glass nearly house of roses and one of asparagus plumosus; houses in splendid condition; two built last summer; 72-inch by 16 ft. boiler heats the place with ease; another large boiler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale and retail trade well established; one of the best shipping points in Michigan, reaching with ease and comparatively short time, Chicago, Milwaukee, Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid trade in field-grown carnation plants as well as rooted cuttings. Stock in fine condition. Soil and climate just suited to growing carnations—both quantity and quality. Splendid water privilege for field and houses. An exceptional chance for some one to step into a well established business. Will also sell or rent a large or medium sized house. For further particulars, address Box 187, care American Florist.

Florist Wagon For Sale.

Built to order of the very best material, seat and sides upholstered in leather, two windows on each side, double plate beveled glass, color of painting, body dark Prussian blue with gold trimmings, silver trimmings on hubs, shafts and running gear, wheels painted vermilion red with black stripes, silver side lamps, eight movable shelves inside, everything first-class and cost \$235 eighteen months ago; rubber tires. All guaranteed as represented. A fine wagon for florist in large city; is very attractive. Will give six months' credit to responsible party. Have three others and can do without it. Price \$75. WALTER BUTLER, Florist, Chillicothe, O.

Wanted...

For a considerable establishment in Germany; nurseries and greenhouses; cut flowers a specialty.

FIRST-CLASS MANAGER, GERMAN.

30 to 40 years, evangelic, best recommended, must understand management in general and special growing of roses and carnations. Wages, \$75.00 per month, share in profits, free lodgment and fuel. A permanent position to the right party. Apply at once. Copies of testimonials and references in first letter. Address

Box 158, care AMERICAN FLORIST.

San Francisco.

There has been little change in the tone of the market since last week. Roses are still scarce and carnations plentiful. There is little demand for bulbous stock. There are plenty of acacias to be had now, these and violets being the chief stock in trade of the great army of street vendors.

We have not heard of any extensive additions to be made in building this spring. During the past two years an enormous lot of glass was added by the growers in the vicinity of this city. It seems to me that the time has arrived when one should move cautiously as we are unlike the eastern part of the country where they have hundreds of large cities which may be relied upon to use vast quantities of flowers. Here we have practically only one city to use the large daily cut.

Wm. Eldred, head gardener to the Crocker estate, at Burlingame, has commenced work on the large grove of *Ficus elastica* which is to be planted on that place. He has many thousand young plants which are ready to be set out. The result of these plantings will be watched with much interest.

H. Nelson, formerly head of the green house department of Cypress Lawn Cemetery has gone into business on his own account at Millbrae under the name of the Bay Counties Nursery Company. Mr. Nelson is very popular with the trade and all wish him every success.

Your correspondent dropped into the Garden City Floral Company's place during the week and found the manager, Arthur Cann, as busy as usual. He has the houses in splendid shape and the daily cut is quite extensive. All the stock goes to the San Jose market.

The Garden City Pottery Company, recently established at San Jose, is meeting with great success owing to the fine quality of flower pots the firm is sending out. They also deliver the orders anywhere on the peninsula.

John H. Sievers & Company are supplying us now with some of the finest of their new seedling carnations of the older sorts. Hobart is without doubt the best carnation that comes into this market.

W. H. Taylor has let a contract for a large greenhouse for palms and decorative plants at Menlo Park. Augustus Taylor has just completed the erection of two fine new greenhouses at the same place.

M. Lynch has secured a piece of property at Portola which is so peculiarly situated as not to be visited by frosts. It is to be used for growing late chrysanthemums.

Mr. Shaw, manager of the San Joaquin Floral Company, visited the trade here recently and reports business in a healthy condition in his city.

G. Gardine, formerly with McLellau Brothers, has the new houses he erected in first class shape. He is installing a new boiler using crude oil for fuel.

The elaborate decorations at the Felton ball in the Palace hotel last week reflected great credit on the Misses Worn who had the matter in charge.

Thomas Thompson of Santa Cruz, one of our leading carnation specialists is sending large consignments daily to this market of the finest quality.

J. James who is in charge of Dr. Sigfried's houses was a caller. Dr. Sigfried is the owner of the largest collection of orchids in the west.

A. Johnson, formerly with H. McTwombly, Madison, N. J., has succeeded H. McLain at H. Plath's nurseries at Ocean View.

George Hood has purchased four acres near Mayfield where he intends to embark in business in the near future. NORMA.

Toronto.

MARKET CONDITIONS.

The weather has become more pleasant and business continues to improve. February was far in advance of last year. The bright weather which we have had recently has helped the roses considerably and some very select stock is being cut. Bride and Bridesmaid are strong and vigorous, some of the select retailing at \$5 per dozen. American Beauty are beginning to pick up and there will be plenty around in a short time. Bulb stock is very plentiful and with some people carnations are a glut.

FLORISTS' AND GARDENERS' CLUB.

The February meeting of the Florists' and Gardeners' Club on Tuesday evening, proved very interesting. Business relating to the carnation show occupied considerable time and also arrangements for a chrysanthemum show to be held in the fall. Owing to some unpleasantness which occurred at our last chrysanthemum show, by one of the exhibitors being dissatisfied with the awards and removing his entire exhibits, it was moved that a clause be inserted in the regulations to govern all subsequent shows to be held by the association, that any exhibitor not adhering to these rules be restrained from showing at any shows to be held by the association.

J. H. Dunlop gave us a synopsis of the recent carnation exhibition held in Chicago and said that the consensus of opinion was that the early season was the most favorable to hold carnation conventions, as the flowers shown were then at their very best. He stated the recent show brought out many varieties and for those interested, who did not have the time to travel over different parts of the country to view, this exhibition was invaluable.

NOTES.

J. H. Dunlop and Herman Simmers were in Montreal attending the executive meeting of the Horticultural Association.

Wm. Fendley and Ned. Dale, of Brampton, have been making a tour of the greenhouses around the city.

Visitors: C. W. Scott, representing Vaughan's Seed Store, Chicago; Geo. Relker, New York; Chas. Lochener, New York; A. Ewing, Berlin, Ont.

Newport, R. I.

BUSINESS IMPROVES.

You have all seen by the papers how we have been blocked with ice for many weeks past; in fact transportation by water has been all but cut off; the last few days, however, the weather has turned warmer, and we live in hopes of some relief. What we need are some

warm days to melt the large quantities of solid ice out of our streets, for until that is accomplished very little outdoor work can be done. The florists have again had a very good week in cut flowers, at practically no change from prices that have ruled for some time past. Our seedsmen are gradually getting busier as the days draw nearer to the season, and the weather improves.

NOTES.

A telegram was received last Saturday from Mr. Weaver of The George A. Weaver Company, from Hot Springs, Ark., where he went for his health, announcing that fire had destroyed one-third of the place, but that he and Mrs. Weaver were all right. We are informed that Mr. Weaver returns in a few days to Newport, to once more take up the direction of his large business.

The Rhode Island Experiment Station has planned a great many interesting and valuable experiments for the coming year. Many of them have to be carried through a period of years, and are therefore in many cases a continuation of work already begun. The station is doing a good work for every planter in the state.

The many friends of Street Commissioner Hamilton combined last Monday evening, and after an elaborate display of red fire, etc., before his home, presented him with a Morris chair and congratulated him on his recent marriage.

It is expected that the next meeting of the Newport Horticultural Society will be largely attended, as the matter of prizes and exhibitions for the coming year will be then disposed of. The meeting is Wednesday night, March 1.

Andrew J. Pow, head gardener to Mrs. Cornelius Vanderbilt, at the Breakers, sent to New York for Mrs. Vanderbilt's ball of last week some very fine plants and cut flowers from her Newport conservatories.

F. L. Ziegler tells us that he has had the best week this year thus far for the sale of violets. Prices have been low, 50 to 75 cents a bunch being the going price, but the quantity disposed of has been large.

F. M. Smythe, of Wadley & Smythe, came over last week for a few days to look after the firm's contracts here.

X.

Charleston, W. Va.

One of the most brilliant weddings in the history of Charleston took place on February 16, in the marriage of Governor White's daughter to A. W. Wolfe, of Parkersburg. The executive mansion was lavishly decorated with southern smilax, asparagus, white carnations and Liberty roses. The work was divided between J. W. Alexander and H. F. Winter, of the Charleston Cut Flower Company.

Business has been good the last two weeks considering the severe cold weather we are having. Mr. Alexander intends to build another greenhouse this spring.

Joe C. Bonsall of Salem, O., on his way home from Florida, was a caller.

Mrs. R. C. Littleton reports a good trade.

LITTER.

Profit, Price and Prestige.

We never got our prestige by prices. But we did get it through the profit our customers have made.

We don't quote prices in this adv. because price without quality is no argument.

But we do issue a price list for you to judge us by, to start with.

Start with us and you'll judge our prices by our quality.

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Leading Western Growers and Shippers of Cut Flowers.

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Japanese Fern Balls

5 in. and 7-9 in. sizes.

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GALAX LEAVES AND Leucothoe Sprays.

J. G. LOVEN, Montezuma, N. C.

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THE Regan Printing House

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Our Specialty. Write for Figures.

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Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

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Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription \$2.70 per Year. Sample Copies Free.

ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie,

Par Grisy-Suisnes. (Seine et Marne), FRANCE.

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We carry the finest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are **DAGGER**, \$1.50 and **FANCY FERNS**, All quality, \$1.50 per 1000. Discount on larger orders. **BRILLIANT BRONZE** and **GREEN GALAX**, \$1.00 per 1000. Laurel Festooning, good and full, handmade 50 and 60 per yd. Green and Sphagnum Moss, \$1.00 per bbl. Sphagnum Moss, 500 per bag; 5 bags, \$2.00. Ivy Leaves, \$4.00 per 1000. Sprenger, 25c and 50c per bunch. Asparagus Plumosus, 50c per bunch or string. Leucothoe Sprays, \$1.00 per 100; \$7.50 per 1000.

We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

HENRY M. ROBINSON & CO., L. D. 'Phone 2618 Main. 8 and 11 Province St., Boston, Mass.



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53 W. 28th St., New York.



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Madison Square

Stands at Cut
Flower Exchange
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26th Street & 34th
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Market. Specialties: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, 75c per 1000.



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(Where quality is First Consideration)

Write, Wire or Phone the Introducers,

Caldwell The Woodsman Co., Evergreen, Ala.

New Crop Southern Wild Smilax
now ready in limited quantities.

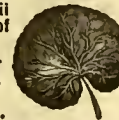
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Wholesale and Retail
Dealers in all kinds of

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Fancy and Dagger
Ferns, Bronze and
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MAIN STORE, 45 W. 29th St., NEW YORK.
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THE KERVAN COMPANY,

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All Decorating Evergreens, Galax,
Leucothoe, Mosses, Etc.

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Advertise in THE AMERICAN FLORIST.

HARDY CUT FERNS.

Fancy or Dagger Ferns, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$6.50 per case of 10,000. Laurel Festooning, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. Branch Laurel, 35c per large bundle. Southern Wild Smilax, per 50-lb. case, \$5.50. Laurel Wreaths and Princess Pine Wreaths, made all sizes and prices. Princess Pine by the lb. and made into roping. Tell us your wants and we will name you prices.



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25, 35 and 50 pound cases Chicago
Market quotations.

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NONE BETTER.

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HIGH-GRADE SOUTHERN WILD SMILAX.And Florists' Hardy Decorative Supplies.
Prices Right.SPECIAL FACILITIES FOR HANDLING LARGE ORDERS.
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E. H. Hunt,**WHOLESALE****Cut Flowers****"THE OLD RELIABLE."**

76 Wabash Ave., ...CHICAGO.

Wholesale Flower Markets

MILWAUKEE, Feb. 29.		
Roses, Beauty, long, per doz.	5 00	
" " med. " "	2.00@	8 00
" " short " "	.75	
" Liberty.....	6 00@	12.00
" Chatsenay.....	6 00@	12 00
" Bride, Bridesmaid.....	6 00@	10 00
" Meteor, Golden Gate.....	3 00@	10 00
" Perle, Chatsenay.....	3 00@	8 00
Carnations.....	1.50@	4 00
Smilax.....	12.50@	15 00
Asparagus sprays.....	2 00	
Valley.....	3 00	
Adiantum.....	1.50	
Violets.....	.50@	1 00
Callas.....	12.50@	15.00
Romans, Paper Whites.....	3 00	
Harrisli.....	10.00@	12.50
Tulips.....	3 00	

PITTSBURG, Feb. 29.		
Roses, Beauty, extras.....	18 00@	25 00
" " No. 1.....	8 00@	12 00
" " ordinary.....	3 00@	5 00
" Bride, Bridesmaid.....	3 00@	15 00
" Meteor.....	6 00@	11 00
" Liberties.....	8 00@	20 00
" Perle, Chatsenay.....	3 00@	8 00
Carnations.....	1 00@	5 00
Lily of the valley.....	3 00@	4 00
Smilax.....	12.50@	15.00
Asparagus, strings.....	25 00@	50 00
Asparagus Sprengerli.....	2 00@	3 00
Lilies.....	8 00@	15 00
Adiantum.....	1 00@	1.50
Mignonette.....	1 00@	4 00
Daffodils.....	3 00@	6 00

CINCINNATI, Feb. 29.		
Roses, Beauty, per doz.....	1.00@	4.00
" Bride, Bridesmaid.....	4 00@	10.00
" Liberty.....	8 00@	15 00
" Meteor, Golden Gate.....	8 00@	12 00
Carnations.....	1.50@	5 00
Lily of the valley.....	3 00@	4 00
Asparagus.....	50 00	
Smilax.....	10.00@	12.50
Adiantum.....	1 00@	1.50
Callas.....	10.00@	12.50
Asparagus Plumosus and Sprengerli in bunches.....	25c per bunch	
Harrisli.....	15 00	
Romans, narcissus.....	8 00	
Violets.....	.75@	1 00

St. Louis, Feb. 29.		
Roses, Beauty, long stem.....	4.00@	6.00
" " medium stem.....	2 00@	3 00
" " short stem.....	.50@	1.50
" Bride, Bridesmaid.....	5 00@	10.00
" Liberty.....	5 00@	10 00
" Kaiserin.....	5 00@	10 00
Carnations.....	1 00@	4 00
Smilax.....	12.50@	15.00
Asparagus Sprengerli.....	1.50@	3 00
" Plumosus.....	25.00@	50.00
Ferns, fancy.....per 1000,	2 00	
Adiantum.....	1 00@	1.25
Violets, Californians.....	.25@	.40
" Double.....	.50@	.75
Lily of the valley.....	3 00@	4 00
Romans.....	2 00@	3 00
Callas.....	12.50@	15.00
Paper White narcissus.....	3 00	

CLEVELAND, Feb. 29.		
Roses, Beauty, per doz.....	1.00@	6.00
" Bride, Bridesmaid.....	4 00@	10.00
" Meteor.....	4 00@	10 00
Carnations.....	2 00@	6 00
Smilax.....	10.00@	15.00
Asparagus, strings.....	25.00@	50.00
" Sprengerli.....	1 00@	2 00
Common ferns.....	2 00	
Violets, single.....	.50@	1 00
" double.....	.75@	1 00
Paper Whites.....	3 00@	4 00
Tulips.....	3 00@	4 00

SPRING IS COMING.But we are here to care for your wants in **Roses, Carnations, Violets, Valley**, all kinds of **Bulbous Stock, Smilax, Fancy Ferns, Adiantum** and in fact every thing which the florist may want.**WILD SMILAX**

Our Specialty. We can supply it in any quantity.

J. B. DEAMUD, 51 Wabash Avenue,
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PITTSBURG'S LARGEST AND OLDEST WHOLESALESAERS,

PITTSBURG CUT FLOWER CO., Ltd.
504 LIBERTY AVE., PITTSBURG, PA.**HOLTON & HUNKEL CO.,**

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American Beauties and all leading varieties of
Roses and Carnations.All flowers sold at prevailing market prices,
Orders received and filled at Greenhouses if
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Please mention the American Florist when writing.

WILLIAM MURPHY,Wholesale Commission Dealer in
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CARRIED IN STOCK.Send for Price List issued every Monday.
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CUT FLOWERS

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.All telephone and telegraph orders
given prompt attention.**PETER REINBERG**

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers**LARGEST GROWER
IN THE WORLD.****Price List.**

AMERICAN BEAUTIES—		Per doz.
Extra Select.....		8 00
30-inch stems.....		5 00
24-inch stems.....		3 00
20-inch stems.....		2.50
15-inch stems.....		2.00
12-inch stems.....		1.50
Short stems.....		.75@1.25

		Per 100
LIBERTY.....		\$3.00 to 15.00
CHATENAY.....		8.00 to 12.00
MAIDS AND BRIDES.....		6.00 to 10.00
PEELE.....		6.00 to 8.00
SUNRISE.....		6.00 to 8 00
UNCLE JOHN.....		6.00 to 12 00
CARNATIONS.....		2.00 to 3.00

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5.00.

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AMERICAN BEAUTIES.Cut Roses—American Beauties and all
kinds of Tea Roses at lowest prices. Trial
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South Park Floral Company

Wietor Brothers, 51 Wabash Avenue, CHICAGO.

WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem.....	\$6 00
30-inch stem.....	5 00
24-inch stem.....	3 00
20-inch stem.....	2 50
16-inch stem.....	2 00
12-inch stem.....	1 50

ROSES.

	Per 100
Bride and Maid.....	\$ 6 00 to \$10.00
Meteor and Gate.....	6.00 to 10.00
Liberty.....	6.00 to 12.00
CARNATIONS—Good stock.....	2.00
Large and fancy.....	3.00 to 4.00

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THE LARGEST,
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MOST CENTRALLY LOCATED
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Choice Carnations. Any quantity. Prices

very reasonable. Wire or write.

Careful attention given shipping orders.

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All telegraph and telephone orders
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We will take care of your orders at reason-
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Flower Growers' Market.

60 Wabash Ave., CHICAGO.

Order your stock where it will be filled with
care and dispatch. The most successful growers
of cut flowers, are those who sell their own stock.
Give us your standing order.

PERCY JONES, Manager.

Wholesale Flower Markets

CHICAGO, March 1.

Roses, Beauty, 30 to 36-in. stems	5 00@ 6 00
" " 20 to 24 "	3 00@ 4 00
" " 15 to 18 "	2 00@ 3 00
" " 12 "	1 50
" Liberty.....	8 00@15 00
" Chateaux.....	8 00@12 00
" Bride, Bridesmaid.....	6 00@10 00
" Meteor, Golden Gate.....	6 00@10 00
Carnations.....	1 50@ 2 00
" fancy.....	2 50@ 3 50
Valley.....	2 00@ 4 00
Violets.....	1 00@ 1 50
Asparagus Plumosus, per string 40 to 100 sprays	2 00@6 00
" Sprengerl.....	3 00@ 6 00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000	1 25
" Green, " "	1 00
Adiantum.....	1 00
Fancy ferns.....per 1000	2 00@ 2 50
Smilax.....	12 00@15 00
Callas.....1.25@1.50 per doz.	
Paper Whites.....	3 00@ 3 50
Romans.....	3 00@ 3 50

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Please mention the American Florist when writing.

**A Daily Cut From
40 Growers**

We can and will fill your Cut Flower
wants to advantage.

Plenty of **BEAUTIES,**
MAIDS, BRIDES, etc.
CARNATIONS, VIOLETS, etc.
ALL GRADES.

Shipping orders our Specialty. Write, tele-
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Long Distance Phone 11:9 Main.

Headquarters for **HARDY PERNS**
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Most Complete Line of

FLORISTS' SUPPLIES

IN THE WEST.

—CATALOGUE FREE.—

E. F. WINTERSON CO.

Established 1894.

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FANCY CUT FLOWERS a Specialty.

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time, send to



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WESTERN HEADQUARTERS FOR CHOICE

ORCHIDS, FANCY VALLEY, TULIPS
and all BULBOUS STOCK,
VIOLETS, BEAUTIES, TEA ROSES, and
CARNATIONS. Wild Smilax, Asparagus,
Adiantum, Smilax, Fancy Ferns always in
abundance. Also a complete line of all Florists'
Supplies, Novelties and Wire Work.

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Automatic 3623.

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WHOLESALE FLORISTS

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The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

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BOSTON, MASS.

WELCH BROS.

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Now is the time to order for summer flowering.

KAISERIN and CARNOT, 2 1/4-inch pots, \$15.00 per 100; \$120.00 per 1000
OUR ROOT STOCK.KAISERIN, CARNOT, BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.
I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

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J. M. McCullough's Sons Co.

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Special attention given to Shipping Orders.

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H. G. BERNING Wholesale Florist

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C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

BOSTON, Feb. 28.

Roses, Beauty, best	50.00@60.00
" " medium	30.00@45.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Extra	8.00@12.00
" Liberty	1.00@ 8.00
Carnations	1.50@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, Feb. 28.

Roses, Tea	8.00@10.00
" " extra	12.00@15.00
" Liberty	8.00@35.00
" Queen of Edgely, extra	40.00@60.00
" " firsts	15.00@25.00
" Beauty, extra	40.00@60.00
" " firsts	15.00@25.00
Carnations	1.50@ 6.00
Lily of the valley	2.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.25@ .50
" double	.35@ .60
Adiantum	.75@ 1.50
Gardenias	.12@ .15
Mignonette	3.00@ 8.00

BUFFALO, Feb. 28.

Roses, Beauty	4.00@50.00
" Bride, Bridesmaid, Meteor	2.00@12.00
Carnations	2.00@ 4.00
Harrisii	12.50@15.00
Lily of the valley	3.00@ 5.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	5.00
Violets	.30@ .75

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS

and Florists' Supplies.

228 Diamond St., PITTSBURG, PA.

Send for weekly price list and prices on large orders..

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

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RICE BROTHERS,

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at

Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

Eine absolute Nothwendigkeit!

Giermit \$1.00 für mein Abonnement.
Es ist die Pflicht eines Jeden prompt für
den „American Florist“ zu bezahlen, weil
dieser eine absolute Nothwendigkeit für
jeden Blumenzüchter ist.

Carl Roegner, Alabama.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

PHILADELPHIA CUT FLOWER CO.

Wholesale Commission Florists

CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
FANCY CARNATIONS, TULIPS, DAFFODILS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

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Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

38-40 Miami Ave. DETROIT, MICH.

BERGER BROS. WHOLESALE FLORISTS.

Bell and Keystone 'Phones.

1220 Filbert Street, PHILADELPHIA.

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SUCCESSFUL SELLERS

are the successful growers who advertise in

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Always mention the American Florist
when you order stock.

THE RELIABLE Commission House,
Jos. S. Fenrich
 48 W. 30th St., NEW YORK.
 Telephone 325 Madison Sq.

YOUNG & NUGENT
 42 West 28th Street,
 Telephone 2065 Madison Sq. **Wholesale Florists.**

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their order with us that they will not be disappointed.

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Wholesale Commission Florist,
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American Beauties, Orchids, Roses,
Carnations, Violets, and Every Variety of
CUT FLOWERS.
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Wholesale Commission Florists,
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 Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. **CORRESPONDENCE INVITED.**

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

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 Special American Beauties,
 Surpassing Carnations,
 Lily of the Valley, Orchids
 and all Seasonable Flowers.
 51 West 28th St., **NEW YORK.**
 Telephone 1905 Madison Square.

Original Pioneer House—Established 1871.
JAMES HART
 117 W. 30th St., NEW YORK.

Wholesale and Commission
 Consignments solicited. Shipping orders promptly attended to. Phone 626 Madison.

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 Are the best product of the best growers for the New York Market.
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WHOLESALE FLORIST,
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 AM. FLORIST Co.:—Please inform me when my subscription expires as I do not care to miss a single issue of your valued paper. One issue is often worth more than the subscription price.
 MRS. W. F. STEVENS.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
 44 W. 28th Street, Cut Flower Exchange.
 New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, Feb. 28

Roses, Beauty, best.....	15.00@60.00
" " medium.....	3.00@15.00
" " ovals.....	1.00@ 2.00
" Liberty, best.....	10.00@40.00
" " medium.....	3.00@10.00
" " ovals.....	2.00@ 3.00
" Bride, Bridesmaid, G. Gate. 2.00@12.00	
" Kaleerin, Carnot.....	1.50@10.00
Carnations.....	.75@ 3.00
" fancy and novelties.....	3.00@ 6.00
Lily of the valley.....	1.00@ 3.00
Lilies.....	4.00@ 8.00
Smilax.....	8.00@12.00
Adiantum.....	.50@ .75
Asparagus.....	20.00@50.00
Tulips.....	2.00@ 3.00
Violets.....	.25@ .75

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which I can ship ferns and decorative plants promptly.

50 W. 29th St. NEW YORK.
 Tel. 3880 and 3861 Madison Square.
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 111 West 30th St., **NEW YORK.**
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REPRESENTING EMINENT GROWERS.

Julius Lang
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COMMISSION DEALER in FLOWERS
 TELEPHONE 280 MADISON SQUARE.

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NEW RED CARNATION
 To be Disseminated 1906. Also a Complete Line of **Choicest Flowers.**
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 Telephone 3924 Madison Sq.

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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices

SAN FRANCISCO.

TELEPHONE MAIN 1023.

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33 Post Street, SAN FRANCISCO, CAL.
Please mention the American Florist when writing.

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Bertermann Bros. Co., FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IND.
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Established 1873, L. Dist. Phone Lindell 196 M.

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C. C. Pollworth Co. MILWAUKEE, WIS. Will take proper care of your orders in WISCONSIN.

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Established 1857.

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WILLIAM L. ROCK FLOWER CO.

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JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.
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Artistic Designs. * * * * *
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Mail, telegraph or telephone orders filled promptly in best style.

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612 13th St. N.W., WASHINGTON, D. C.

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THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in Minnesota and the Dakotas.

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JOHN MANGEL, FLORIST,

Corner Wabash Ave. and Monroe St. CHICAGO.
Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in every shape executed with care and despatch.
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WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

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Choice American Beauties a Specialty.

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Good Shipping Facilities to all Michigan Points.

—A TRIAL ORDER SOLICITED.—

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JOHN WOLF,

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Paper White Narcissus and
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\$2.00 per hundred, in any quantity.

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Cut Flowers, Floral Designs, Decorations.
Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.

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250 ILLUSTRATIONS ANNUALLY.

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The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also

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Published quarterly. Both mailed post free for one year for One Dollar.

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THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

“Spring Has Come”

TULIPS, single, all colors.....	\$2.00 to \$3.00
TULIPS, double.....	3.00 to 4.00
DAFFODILS and JONQUILS	2.50 to 3.00
ROMANS and PAPER WHITES.....	3.00
LILAC, fancy.....	1.00
FINE VALLEY.....	3.00

TRY OUR 6c and 8c ROSES.

They can't be beaten; medium stems and fine flowers.

Fancy Grown CARNATIONS \$2.50 to \$3.00
Common..... 1.50 to 2.00

We have a Complete Line of CUT FLOWERS and can fill Your Largest Orders. We guarantee stock on regular orders to reach you in first-class condition. Rush orders given most careful attention. Good stock insures us your continued patronage.

A. L. RANDALL CO., 19 Randolph Street, Chicago.

DREER'S SPECIAL OFFER OF FORCING PLANTS FOR EASTER.

AZALEA MADAME VAN DER CRUYSEN.

As we are not handling Azaleas for Easter this season we offer a fine lot of this most valuable variety in fine bushy, well budded plants to close out quickly.

	Per Doz.	100		Each
10 to 12-inch crowns..	\$4.50	\$35 00	18 to 20-inch crowns.....	\$2.00
12 to 14-inch crowns..	6.00	45.00	20 to 22-inch crowns.....	3.00

Outside of the above we have nothing left in Azaleas except a limited lot of mixed varieties in 10 to 12-inch crowns at \$4.50 per dozen; \$35.00 per 100.

NOTE.—The above prices are practically the same as those at which we book import orders, they are made low to move the plants at once, the stock is of good quality, but is limited; speak quickly if you want them.

AZALEA MOLLIS.

An unusually fine lot of well-budded plants 15 to 18 inches high. A plant that is rapidly gaining favor for early and late forcing; it is profitable stock for the retailer to handle, as it can be grown at a minimum cost for heat and labor. \$4.50 per dozen; \$35.00 per 100.

DEUTZIAS for Forcing.

Strong, shapely, 2-year-old field-grown plants, suitable for 6-inch pots. Gracilis Rosea \$1.00 per dozen; \$8.00 per 100. Gracilis Lemoini, \$1.00 per dozen; \$8.00 per 100.

FORCING RHODODENDRONS.

For a late Easter will fill a vacancy where Azaleas cannot be retarded; they are becoming more popular every season; you will find it profitable to try these. We are carrying an extra large stock of bushy, well-shaped plants, covered with buds, 16 to 18 inches high, \$9.00 per dozen; \$70.00 per 100. 20 to 24 inches high, fine specimens, \$11.00 per dozen; \$90.00 per 100.

THE BABY RAMBLER ROSE.

Mme. Norbert Levavasseur.

The most valuable bedding rose yet introduced. A plant which will be in strong demand for a long time. We offer good plants, suitable to use for stock plants, one-year field-grown, suitable for 4-inch pots, \$5.00 per dozen; \$35.00 per 100.

DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds, Plants, Bulbs, etc., is mailed to all Florists. If you do not have it at hand please advise us and a copy will be sent at once.



HENRY A. DREER, (INCORPORATED) 714 Chestnut St., Philadelphia.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

The Best He Ever Saw.

AMERICAN FLORIST Co.:—Enclosed find \$1 which apply on subscription. I would not try to do without the paper. I consider it the most valuable trade paper I ever saw and I can say I learned more from your pages in one month than in ten months from some other papers.

FRED WINDMILLER, Supt.,
Livingston Seed Company's Greenhouse Department.

Forcing Stock for Easter.

AZALEA MOLLIS full of buds, nice even heads, force easily, 12-15 in. high, \$30.00 per 100; 15-18 in. high \$40.00 per 100.

DEUTZIA GRACILIS, grown especially for pot culture; very bushy; 12-15 in. high, for 6-in. pots, \$6.00 per 100; 15-18 in. high, for 7 in. or 8-in. pots \$8.00 per 100.

DEUTZIA LEMOINE!—Similar to Gracilis, but stronger grower, 15-18 in. high, for 8-in.

pots, \$3.00 per 100; 18-24 in. high, for 7 or 8-in. pots, \$10.00 per 100.

RHODODENDRONS—Best named Hybrids, bushy and full of buds, 20 in. high, \$9.00 per dozen; 24 in. high, \$12.00 per dozen; 30-32 in. high (heavy) \$24.00 per dozen.

SPIRAEA JAPONICA, \$3.00 per 100.

SPIRAEA NANA COMPACTA, \$4.00 per 100.

THE STORRS & HARRISON CO., Painesville, O.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

MAIL order seed business is picking up rapidly.

THERE seems to be a poor outlook for seed potato prices.

ONION SET jobbers report stocks fairly well cleaned up.

JESSE E. NORTHRUP of Minneapolis, Minn., who was operated on for appendicitis February 24, is progressing favorably.

WHOLESALE grass seed men are moving large quantities at the present time. There has been a slight advance in timothy and clover.

CHICAGO.—One of the Holland bulb men was arrested last week for spitting on the sidewalk, the ordinance against this being now rigidly enforced.

DES MOINES, IA.—Charles N. Page of the Iowa Seed Company writes as follows February 28: "Our trade was somewhat off during January and the first half of February owing to unusually severe weather, but is now catching up."

PHILADELPHIA, PA.—Herbert G. Tull, treasurer of the Henry A. Dreer corporation, is taking an important part in the transactions of the Equitable Assurance Society, which are now attracting wide attention. Mr. Tull is one of the leaders in the movement to protect the policy holders.

English Holly in America.

We learn that considerable quantities of berried holly find their way to the American markets. We can hardly look on this fact with complacency, says an English contemporary, as we fear it will entail the mutilation and spoliation of one of our greatest ornaments. For once we should be glad if our cousins would put on a heavy import duty—but then we have no holly to sell!

Notes of Newport, R. I.

The Thomas W. Emerson Company of Boston, Mass., has been looking after its interests here through their Mr. Smith, who reports a good business.

Frank A. Rich, representing Joseph Breck & Sons Corporation of Boston, Mass., has been here the past week.

Mr. B. Faxon and wife attended the whist games of the New England Whist Association held in Providence, R. I., on Washington's birthday. Mr. Faxon is associated with William B. Scott & Company in charge of their seed department.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

Boston.

Business continues to improve though there was a little slackening off after Washington's birthday. There was on the day before the holiday a very good demand for violets and carnations. Violets have since fallen off and are selling at from 25 to 35 cents per 100. Roses, a little short, are holding their price well. Carnations, while holding their price, are not selling as freely as they were a week ago. Bulb stock is cleaning up well but the indications are that it will be druggery during the coming week.

The Boston Gardeners' and Florists' Club held its monthly meeting on Tuesday. The address of the evening was delivered by W. W. Rawson, of Arlington, his topic being "The Growing of Vegetables under Glass." The club referred the question of awarding prizes for seedlings and other novelties to a committee of five. The proposed amendment to the constitution offered by Mr. Westwood, of Forest Hills, giving the president the power to appoint the executive committee was voted down after a spirited debate.

B. F. Washington, of Stoughton, who has been confined to his house for the

past nine weeks, is again able to bring his stock into the Boston market.

N. F. McCarthy has been under the weather since his return from the West Indies.

H. P. S.

St. Paul, Minn.

The past two weeks have seen trade at its very best. Business has been all that any one could wish, with plenty of flowers to meet demand. The weather has been the most favorable for years at this season. Palms have been taken out every day without protection. All classes of stock are very plentiful, especially carnations. While there have been loads of bulbous stock, the call for it has been equally large, and has kept it moving well.

Those calling on the trade recently were: C. W. Creighton, Aug. Rhotert, Jos. Rolker, W. G. Schucht, B. Eschner, and A. H. Stolper, of Winnipeg. O.

BARRINGTON, MASS.—Martin Simmons, who has had charge of the greenhouses on the F. G. Tefft estate for several years, has resigned his position and accepted a similar position on the Capt. John S. Barnes place, Lenox.

Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

SUMMER FLOWERING BULBS.



Begonia La Fayette.

TUBEROSES.

Dwarf Pearl, first-class, strong bulbs, per 100, \$1.00; per 1000, \$8.00.

First-class, medium size, per 100, 60c; per 1000, \$4.50.

Armstrong's Everblooming, fine for cut flowers, per 100, \$2.00; per 1000, \$18.00.

TUBEROUS BECONIAS.

Single Flowered, separate colors	Per doz. 100	40	\$3.00
in mixture	35	2.50	
Double Flowered, separate colors	65	5.00	
in mixture	50	4.00	

La Fayette, a splendid bedding variety of this well-known family. Flowers are of a most brilliant fiery scarlet, double, and borne upright on their stalks. One of the best for bedding as it blooms all summer.

Each..... 25c; 2.65 18.00

CALADIUM ESCULENTUM.

5 to 7 inches in circumference	40	2.50
7 to 9 " " "	60	4.00
9 to 12 " " "	95	7.00
12 inches and up	1.75	14.00

GLADIOLUS.

	Per doz. 100	1000
Angele, Snow white, blotched pink	40	6.50
Augusta, pure white, blue anthers	50	3.00 \$26.00
Breochleyensis, intense scarlet	30	1.35 11.50
Ceres, pure white, spotted purplish rose	30	1.25 10.50
Eugene Scribe, tender rose blazed carmine red	70	5.50
Mme. Moneret, delicate rose color	30	1.50 12.50
May, pure white, flaked rosy crimson	30	1.50 12.50

Vaughan's XXX Florist Mixture.

This mixture is made up from named white and light varieties and mixtures of light colors only. Per 100, \$1.75; per 1000, \$15.00.

VAUGHAN'S SEED STORE, CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Fertility Germs

Some soil raises better crops than others because it contains more nitrogen.

Fertility germs draw nitrogen from the air—deposit it in the soil—make the land rich—insure immense crops.

NITRO-CULTURE

contains these germs. Sprinkle on seeds before planting. Germs increase—enrich the soil, make nitrogenous fertilizers unnecessary. \$2.00 worth increases yield per acre enormously. Write for catalogus. 6 P

NATIONAL NITRO-CULTURE CO.,
West Chester, Pa.

1904 NEW CROP

Asparagus Seed

Per 100 Per 1000

Plumosus Nanus.....	\$.55	\$4.00
Robustus.....	.85	7.50
Sprengerl.....	.15	1.00

We are headquarters for all the best flower seeds; 100 page catalogue free.

Moore & Simon, Seed Growers,
207 Market St., PHILADELPHIA, PA.

Alfred J. Brown Seed Co.

—GROWERS OF—

GARDEN PEAS and BEANS

For the Wholesale Trade.

Grand Rapids, - Mich.

SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
CLARINDA, IOWA.

Please mention the American Florist when writing.

RIPE TOMATOES IN JUNE

or early in July can be had from Fedder's Earliest Improved Large Tomatoes. They will average $\frac{1}{2}$ lb. each. (I had them weigh $1\frac{1}{2}$ lbs.) They are bright scarlet, smooth as an apple, will not crack open, and will bear until frost kills them. 200 seeds from selected fruit 15c; 2 packets for 25c.

HENRY FEDDER, 25 Floral Ave., Dansville, N. Y.

We have seen Mr. Fedder's tomatoes. They are all he claims.—Ed. Vick's Magazine.

ASPARAGUS PLUMOSUS NANUS SEED.

Present season crop. 250,000 at \$2.25 per 1000 in quantities to suit. Early orders solicited. Delivery in February.

Rees & Compere,
LONG BEACH, CAL., R. F. D. No. 1.

TUBEROUS BEGONIAS

Our Gold Medal Strain. 25 at 100 rate; 250 at 1000 rate.	Per 100	Per 1000
Single, 6 separate colors.....	\$3.00	\$27.50
" finest mixed.....	2.75	25.00
Double, 4 separate colors.....	4.00	37.50
" finest mixed.....	3.75	35.00

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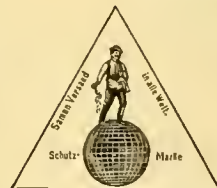
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AT ST. LOUIS A GRAND PRIZE WAS AWARDED ON VEGETABLES, THE PRODUCTS OF BURPEE'S SEEDS!

If you garden you want THE BEST,—and we shall be pleased to mail you BURPEE'S FARM ANNUAL FOR 1905, an elegant new book of 178 pages, which tells the plain truth with hundreds of illustrations, beautiful colored plates, and describes superb novelties of unusual merit.

If you garden for profit or are a florist you should also have Burpee's "Blue List" or Wholesale Price-List for Market Gardeners and Florists.

Write TO-DAY! A postal card will do, while it is sufficient to address simply **BURPEE, PHILADELPHIA.**

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Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Peas and Garden Seeds. WRITE FOR PRICES.

CHICAGO.

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To the Trade that We are the Successors of

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Send for our Beautifully Illustrated Descriptive Catalogue for 1905, Now Ready.

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INCORPORATED,

Atco, New Jersey.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtyeth annual convention, West Baden
Springs, Ind., June, 1905.

OTSEGO, MICH.—Mansfield park is the name of the new pleasure grounds for the people of Otsego. A handsome mausoleum will be erected in the center of grounds by William Mansfield, of Ionia, donor of the park.

NEW YORK.—The board of estimate has appropriated \$3,000,000 for small parks this year, and \$1,000,000 for playgrounds. Brooklyn's share will be \$900,000 for parks and a proportionate share of the \$1,000,000 for playgrounds.

ACCORDING to a fruit report issued in February by the Missouri State Horticultural Society, the peach crop in that state is reported practically killed by the severe cold of February 12 and 13. The report is taken from 300 cards sent out into different localities.

THE American Forestry Congress recommends an amendment to the national homestead law, requiring the planting of five per cent of the area of a homestead in trees before final patent shall issue, and that such planting be under the supervision of the bureau of forestry.

OTTAWA, CAN.—The Ottawa Horticultural Society has done much to add to the beauty of the capital by stimulating the interest of householders in the floral embellishment of their lawns and gardens. The prizes offered by Lady Minto for the best kept gardens have also done much to arouse interest in the work.

TACOMA, WASH.—State Horticulturist Van Holderbeke and his inspectors, in every county in the state, are on the alert to prevent the introduction of the beetle *Doryphora decem-lineata*, commonly known as the Colorado beetle, which has gradually spread eastward over the Mississippi valley, and has now made its appearance on the Atlantic seaboard.

Sunken Garden for St. Louis.

Park Commissioner Aull has announced the completion of plans for a sunken garden that will be constructed in Forest park by May 1. The garden will be circular, 250 feet in diameter, and will be bedded with 200,000 plants which are now ready in the greenhouse in the park.

The center of the garden will be a pool 20 feet in diameter for gold and silver fish. In the center of the pool there will be a fountain. Mr. Aull estimates the cost at \$2,500. The walks leading to the center will be six feet in width. The garden will be the largest of the kind in a public park in this country except that in front of the art gallery in Fairmount park, Philadelphia.

Baltimore.
THE MARKET.

At last we are having some fine weather and moderate temperatures. In

the past week the sun has been shining as bright as though it had not for weeks before seemed to have forgotten how to do that stunt, and the air has been transparent, lucid and crisp, just such an atmosphere as makes towards good roses. The nights continue cool, and will probably remain so until all the snow, which is disappearing, has melted off the ground. Consequent upon this improvement in weather conditions, all kinds of flowers are in better shape and roses begin to come in, in presentable form. Carnations are abundant, violets ditto, and roses rapidly coming up to normal production. Early last week the market men showed up as by one accord, and the street dealers were in evidence once more, and things looked quite animated. Later in the week there was some sagging, but from now until Lent begins a fairly good business is to be expected, as there are many balls, receptions and other social entertainments in sight.

A new store opened within a few days at 1421 N. Charles street, called "The Fernery." It is adjacent to the Pennsylvania and Baltimore & Ohio main passenger stations, convenient to the residential section and especially accessible from the numerous fashionable apartment houses and family hotels on St. Paul and Charles streets, and Maryland avenue. It has a handsome window and is making a showy display of fine flowers and blooming plants. Clarence Ritter is the manager. S. B.

Dayton, O.

The Miami Floral Company intends building three houses, 34x160 feet each, and one 28x165 feet. The first three will be used for carnations and the last named for roses, including 1,200 of the new Richmond. The lumber for the new houses will be furnished by the John C. Moninger Company, Chicago.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.
RIVER VIEW NURSERIES,
J. H. O'HAGAN. LITTLE SILVER, N. J.

CACTI.

We are now making a plant and seed collecting tour of Arizona. Our price list is as follows:

Agave Applanata Parryi, 10c to \$3.00.
Cactus Rainbow, 10c to 50c.
Cereus Giganteus, 2 ft., 50c to \$1.00.
4 ft., 6 ft., 8 ft.: \$3.00, \$6.00, \$10.00.
Cereus Greggii, \$1.50 to \$3.00.
Dasylirion Wheeleri, a beautiful decorative plant; an evergreen; grayish-green flowers, hardy, height to 6 feet, 25c to \$5.10.
Echinocactus Polyccephalus, variation from Grand Canyon, scarce, single, in clumps, \$1.00 to \$5.00.
Echinocactus Cylindraceus, 5 to 12-in., 25c.
3 to 4 ft., 5 to 7 ft.: \$2.50 to \$3.00, \$5.10 to \$8.00.
Echinocactus Emoryi, 5 to 12-in., 3 to 4 ft.: 25c to \$3.00.
Echinocactus Leicodel, 6-in. to 3 ft.: 25c to \$3.10.
Echinocactus Phoeniceus, hardy, clumps, 2 to 1000 plants, 1c per plant.
Echinocereus Engelmannii, single 5c; in clumps, 25c per clump.
White-spined, semi-hardy, 25c per clump.
Echinocereus Fendleri, hardy, beautiful bloom, 25c.
Echinocereus Wislizeni, 5 to 12-in., 25c to 50c.
1 to 2 ft., 50c to \$2.50.
Mamillaria Grahamii, single; clumps, 5c.
Mamillaria Radiosa Arizonica, hardy, clumps, 1c per plant.
Cpuntia, 25 or more kinds, many hardy, 5c and upwards. Yucca Radiosa, hardy, 25c to \$3.00.
Crates and packing material extra at cost price.
Plants delivered at point of shipment, 10% discount for orders by the dozen. 20% discount for orders by the three dozen.
GEORGE & M. J. HOCHDORFFER, Flagstaff, Arizona.
Collectors of Plants and Seeds.

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Established 1872.

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Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted for growing this line as Aconite, Aster, Campanula, Delphinium, Funkia, Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata, and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (specially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.



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Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.
Morrisville, Pa.

Special Evergreen Offer.

We are the largest growers of **MAGNOLIA GRANDIFLORA** in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

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FORCING LILACS.

Best German Pot-Crown in white and blue sorts; also the old-grown *Parla de Marly*, imported to order, for fall delivery. Let us appraise your wants.

AUGUST RÖLKER & SONS, 31 Barclay St., NEW YORK, P. O. Box. 752.

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Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

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ELLWANGER & BARRY

Mt. Hope Nurseries, Rochester, N. Y.
Drawer 1044 V Established 65 Years.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Jacs Smits, Ltd. NAARDEN, (Holland.)
(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. H. Depot.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.

WILL B. MUNSON, Denison, Tex.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100; \$25.00 per 1000. 2½ to 3½ feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

400,000 ROSES.

We have a very fine lot of roses in 2-inch pots. Also small Shrubs and Herbaceous Plants. Send for lists.

The Elizabeth Nursery Co.
ELIZABETH, N. J.

B. & A. SPECIALTIES.

FORCING PLANTS.

Lilac, Chas. X. Marie Le Graye, extra size for 8-9 in. pots.....	Doz. 100	\$9.00 \$85.00
Plants for 7-8 in. pots.....	6.00	45.00
Deutzia Gracilis, pot-grown.....	1.50	12.00
" Lemoinei.....	2.00	15.00
Azalea Mollis.....	4.50	35.00
" " Standard (6ne).....	9.00	
Viburnum Opulis.....	5.00	40.00
" Plicatum.....	6.00	45.00
Lilso, in Standard form.....	12.00	
These are very fine and useful for decorating.		
Staphyllea Colchica.....	5.00	
Diclytra Spectabilis.....	5.00	
Rhododendrons, in variety, well budded.....	\$6.00, \$9.00 and \$12.00	per doz.

H. P. ROSES IN ALL VARIETIES.

Such as
Gen. Jacqueminot, Magna Charta, Mrs. Jno. Laing, Baroness Rothschild, Ulrich Brunner, Peonia, and many others,
\$10.00 per 100; \$90.00 per 1000

Maman Cochet, white and pink, XX strong, \$10.00 per 100; \$90.00 per 1000.	
Kaiserin Aug. Victoria, white.....	\$12.00 per 100
Gruss an Teplitz, scarlet.....	12.00 "
Hermosa, monthly rose.....	12.00 "
Agrippina.....	12.00 "
Mme. Francisca Kruger, copper yellow.....	12.00 "
Dwarf Crimson or Baby Rambler, one year, field-grown.....	3.50 per 12
Standard Roses, \$1.50 per doz.; \$3.00 per 100	
Crimson Rambler, 2½-3 in.....	10.00 "
" " 3-4 in.....	15.00 "
" " 4-6 in.....	20.00 "
Baltimore Belle and Prairie Queen, extra fine.....	10.00 "

JAPANESE MAPLES.

Purpureum, dissectum, aureum and atropurpureum.
These are our grown stock, not freshly

BOBBINK & ATKINS,

Rutherford, N. J.

Please mention the American Florist when writing.

ORDER NOW

HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR EASTER FORCING

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	\$.15	\$ 1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3.50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
RHODODENDRONS, for forcing, bushy plants, 8 to 12 buds.....	1.00	11.00	
For forcing, large plants, 15 to 25 buds.....	2.00	20.00	
HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr. old, pot-grown, for forcing.....	5.00	35.00	
CRIMSON RAMBLERS, strong, 2-year old.....	2.00	15.00	
Strong, 3-year old.....	2.50	18.00	
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00	

	Doz.	100
GRUSS AN TEPLITZ, strong, 2-year old.....	2.00	15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
HERMOSA, strong, 2-year old.....	2.25	16.00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY.....	2.00	15.00
KAISERIN AUG. VICTORIA.....	2.50	20.00
PAUL NEYRON.....	2.50	20.00
LA FRANCE.....	2.00	15.00
Anna de Diesbach, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, John Hopper, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ulrich Brunner, Etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.



RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

BAY STATE NURSERIES, North Abington, Mass.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago

“ ‘Hit’s a lot easier to cry down another fellow’s work and tell him just how he ort to have did it than ‘tis to ‘tend to your own an’ do it half-way well.”

At Chicago.

The Florists’ Club bowlers have settled down to hard work. At the Bensingers alleys Tuesday evening the following scores were made, Bergman taking high score in the third game with 206 pins:

Player.	1st	2d	3d
C. Balluff	133	182	159
E. F. Winterson	132	143	121
P. J. Hauswirth	187	176	...
Bergman	173	126	206
J. P. Degnan	161	160	115
Venson	128	134	161
Pasternick	139	139	114
Klunder	123	164	135
V. Kreitling	150	147	...
Cochran	123	107	...

At Denver.

The Florists’ league is again busy and the boys are turning out in good numbers. The following scores were recorded at the last session:

TEAM NO. 2.			
Player.	1st.	2nd.	3rd.
Gillis	107	82	110
Bush	139	148	153
Kennedy	126	148	121
Scott	156	119	178
Totals	528	497	562

TEAM NO. 4.			
Player.	1st.	2nd.	3rd.
C. Benson	122	159	181
C. Mauff	154	156	169
Cooper	127	142	143
Glauber	127	153	143
Totals	530	615	636

TEAM NO. 1.			
Player.	1st.	2nd.	3rd.
Brinkert	190	124	156
Reynolds	109	138	130
Valentine	129	132	147
N. A. Benson	169	191	163
Totals	597	585	596

TEAM NO. 3.			
Player.	1st.	2nd.	3rd.
Zimmer	140	147	138
Kurth	147	140	132
Berry	147	146	158
Mahon	194	175	157
Totals	628	608	585

St. Louis.
GROWERS’ CLUB.

A meeting of those interested in the organization of the Growers’ Club was held February 9, at 911 N. Vandeventer avenue. There were present about twenty-five, all growers of St. Louis and vicinity. Constitution and by-laws were adopted and the organization named the Plant and Cudflower Growers’ Association of St. Louis. A. S. Halstead, of Belleville, was elected president; James W. Dunford, Jr., of Clayton, Mo., vice-president; E. G. Eggeling, Jr., of St. Louis, treasurer; E. H. Michel, secretary.

It was definitely stated that for the present, the objects of the association shall be limited to mutual improvement, through the discussion of practical business subjects and exchange of experiences. Mr. Dunford led a discussion on the expense of operating greenhouses. It was participated in by Mr. Halstead who spoke of the fuel proposition; F. W. Ude, Jr., on the “Purchasing of

Novelties;” Mr. Winter, on “Water Supply;” J. Koenig on “Flower Pots” and E. H. Michel on “Help.”

It was stated that some criticism had been offered, based on the presumption that this association was organized for the purpose of antagonizing the St. Louis Florists’ Club. Some indignation was expressed at the thought that the object of the club should be misconstrued and the members are pledged to refute this statement whenever it is made.

An interested and welcome visitor was James Hartshorne of the Chicago Carnation Company, who also entered into the discussion of fuel proposition. The next meeting of the association will be held on Wednesday afternoon at 3 o’clock, March 15.

V.

FLORISTS’ CLUB.

The annual rose meeting of the Florists’ Club takes place March 9. The club has offered \$50 in prizes. The exhibits will be judged according to the American Rose Society scale of points. Growers of new varieties are solicited to show their stock and growers of flowers or novelties, plants included, are also invited to participate.

NEW HAVEN, CONN.—The New Haven Horticultural Society held its regular meeting February 21. Frank Kimberly read a paper on carnations.

EAST ORANGE, N. J.—George Purdue has made an assignment for the benefit of his creditors. His place was located on Main street, nearly opposite the city hall, and on this site his father, Richard Purdue, now retired, started the business in 1861. Joel W. Hatt has been named as assignee. The liabilities will amount to about \$14,000, with assets of about \$7,000.

Seasonable Seeds for Florists’ Use.

VAUGHAN’S ASTERS.

“THE CARLSON.” The Early Late Variety.

White, Rose Pink, Lavender, Marquis-Pink, Violet-Blue, Daybreak Pink and Mixed. Each, trade pkt., 20c; any 3 for 50c; or per ¼ oz., 20c; oz., \$1.00.

Branching or Semple. Best Late Variety.

White	Trade Pkt., 10c.
Rose Pink	¼ oz., 20c.
Lavender	Oz., 60c.
Red	Lb., \$6.50.
Purple	
Light blue	
Daybreak pink	Trade Pkt. ¼ oz. Oz.
Mixed .....	.10 .20 .50
Vaughan’s Upright White Branching .....	.10 .20 .65
Vaughan’s Upright Pink Branching .....	.10 .20 .65

NEW EVER-BLOOMING ASTER “IDEAL.”

Best Early Variety.

This new Aster produces, perhaps, more salable cut flowers to a plant than any other kind. The plants grow from 16 to 18 inches high and are in bloom from the beginning of August to the end of September almost uninterruptedly. In shape the flowers resemble the Victoria type, except that the petals are looser so as to give the flowers a very graceful appearance. White, light blue, dark blue, crimson; each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.

THE NEW CACTUS ASTER PATRICK HENRY.

This is one of the best white Asters to cut. The plants grow about 16 inches high; the flowers are pure white, measure about 4½ inches across and are double to the center. The petals are twisted or rather rolled like those of a Cactus Dahlia, hence its name. The plants bloom early, about with the Giant Comet Asters. Pkt., 25c; ½ oz., \$1.00.

COBAEA SCANDENS. Trade pkt., 10c; Oz., 40c; lb., \$4.00.

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c; 250 seeds, \$1.15; 1000 seeds, \$4.00. Price for larger lots on application.

Southern Outdoor-Grown Seed. Per 1000 seeds, \$3.00; 5000 seeds, \$12.50.

ASPARAGUS PLUMOSUS ROBUSTUS, NEW.

100 seeds, \$1.00; 1000 seeds \$9.00.

DECUMBENS.

Fine for Cut. 100 seeds, 50c; 1000 seeds, \$4.00.

COMORENSIS.

Like a Plumosus, but grows taller and quicker and is darker in color; splendid for cut. 100 seeds, \$1.00; 1000 seeds, \$7.50.

TENUISSIMUS.

100 seeds, \$1.25; 250 seeds, \$2.65.

SWEET PEAS.

	Oz.	¼ Lb.	Lb.
Best White—Dorothy Eckford .....	.10	.25	.75
Best Lavender—Lady Grisell Hamilton .....	.05	.15	.40
Best Red—King Edward VII .....	.10	.25	.75
Best Pink—Lively .....	.05	.10	.30
Best Bright Blue—Mrs. Geo. Higginson, Jr. ....	.35	.95	3.10
Best Bright Blue | Flora Norton .....	.30	.80	3.00
Best Pink and White—Florence Fraser .....	.15	.45	1.75

RADISH.

Scarlet Globe, Vaughan’s Select stock. Oz., 10c; ¼ lb., 25c; lb., 70c.

LETTUCE.

Black Seeded Simpson, Vaughan’s Select stock. Oz., 10c; ¼ lb., 25c; lb., 30c.

Grand Rapids Forcing. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

EGG PLANT.

N. Y. Improved. Pkt., 5c; ¼ oz., 15c; oz., 25c.

TOMATO.

	Pkt.	½ oz.	Oz.
Earliana .....	.10	.25	.40
Early Michigan .....	.10	.15	.25
Cream City .....	.10	.15	.25
Dwarf Champion .....	.10	.15	.20
New Stone .....	.10	.15	.25

CELERY.

White Plume10 | .15 | .25 |

Snow White10 | .15 | .25 |

CABBAGE.

Early All Head. Oz., 20c; ¼ lb., 60c.

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this two per cent.

VAUGHAN’S SEED STORE,

NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

Carnations

ROOTED CUTTINGS.

WHITE.			SCARLET.			PINK.		
	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00	Richmond Gem.....	\$10.00	\$75.00	Nelson.....	\$ 1.50	\$11.50
Boston Market.....	2.50	20.00	Crusader.....	5.00	45.00	Enchantress.....	3 00	25.00
The Belle.....	5.00	45.00	Adonis.....	2.50	20.00.	Lawson.....	3 00	15.00
Flora Hill.....	1.00	9.00	PINK.			Morning Glory.....	1.50	12.50
Queen Louise.....	1.00	9.00	Phyllis.....	\$10.00	\$120.00	Joost.....	1.00	9.00
Peru.....	1.00	9.00	Indianapolis.....	5.00	45.00	Higlabotham.....	1.00	9.00
						Guardian Angel.....	1.00	9 00

ROSES.

ROOTED CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Chatenay.....	\$2 50	\$20.00	Bridesmaid.....	\$1.50	\$12.50	Ivory.....	\$1.50	\$12.50
Uncle John.....	2.50	20.00	Bride.....	1.50	12.50	Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Richmond.....	\$30.00	\$250.00	Liberty.....	\$ 5.00	\$45.00	Bridesmaid.....	\$ 3.00	\$ 25.00
Rosalind Orr English.....	25.00	200.00	La Detroit.....	6.00	50.00	Bride.....	3.00	25.00
Chatenay.....	4.00	30.00	Uncle John.....	4.00	35.00	Ivory.....	3.00	25.00
Sunrise.....	4.00	30.00	Kaiseria.....	4.00	30.00	Perle.....	3.00	25.00
Perle von Godesberg.....	5.00	40.00						

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

THE BEST WHITE CARNATION IS

Lieut. Peary (WARD)

CERTIFICATED 90 POINTS.

PEDIGREE—White seedlings for several generations. **COLOR**—Snow white. **FRAGRANCE**—Very strong clove, decidedly fresh, and pleasing. **SIZE**—Large, averaging 3 inches in diameter on strong stiff stems, 18 to 20 inches in length. **FLOWER**—Full, broad petaled and high center and of a fine symmetrical form. **CALYX**—Long, strong and does not burst. Fine keeper and excellent shipper. **HABIT**—Strong and erect. **GRASS**—Medium width. **CONSTITUTION**—Very vigorous and free from disease. Cuttings root rapidly and will be sent out in the most perfect condition. Commences blooming October 15th and flowers continuously throughout the winter, affording an abundant crop. A first-class commercial variety in every respect. Now booking orders.

Price, \$12.00 per 100; \$100.00 per 1000.

COTTAGE GARDENS CO., Queens, N. Y.

Incorporated.

ALSO THE FOLLOWING

NOW READY:

3,000 ETHEL WARD.....	\$7.00 per 100.
2,000 THE PRESIDENT.....	\$60.00 per 1000.
2,000 WHITE LAWSON.....	
5,000 ENCHANTRESS.....	\$4.00 per 100;
2,000 CHRISTMAS EVE.....	\$30.00 per 1000.
2,000 GOLDEN EAGLE, \$5.00 per 100.	\$40 per 1000.
1,000 HARRY FENN.....	\$3.00 per 100;
5,000 LAWSON.....	\$25.00 per 1000.
2,000 PROSPERITY, \$2.00 per 100;	\$15.00 per 1000.
3,000 MACKINAC.....	
2,000 THE BELLE.....	
2,000 LADY BOUNTIFUL.....	
3,000 JUDGE HINSDALE.....	\$6.00 per 100.
2,000 MRS. PATEN.....	\$50.00 per 1000.
2,000 NELSON FISHER.....	
2,000 OCTOON.....	
2,000 FLAMINGO.....	

50 of a kind at 100 rate; 250 of a kind at 1000 rate.

NEW CARNATION

William Penn

A very pleasing salable shade of pink. I have grown it for five years and it gave me more good salable flowers than any other variety up-to-date. Should be planted by every grower of cut flowers if he wants a continuous out of flowers the whole season. Every shoot a flower. I will mail 25 well-rooted cuttings free of charge for \$2.50; \$10 per 100; \$75 per 1000. 250 for \$18.75. 10,000 cuttings now ready. All orders filled promptly.

FRANK L. KOHR, Lancaster, Pa.

—R. F. D. No. 3—

My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white. We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

THE NEW ROSE

Wellesley

Is a Welcome Addition to the List of FORCING ROSES. Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

Own Root.		Grafted.	
\$ 25.....	per 100	\$ 30.....	per 100
\$ 55.....	per 250	\$ 70.....	per 250
\$100.....	per 500	\$120.....	per 500
\$200.....	per 1000	\$260.....	per 1000

WABAN ROSE CONSERVATORIES,

NATICK, MASS.

JOHN N. MAY,

Summit, N. J.

Please mention the American Florist when writing.

Washington.

BUSINESS IS GOOD.

The business of the past week was good, dinners and other social events calling for a large amount of fine stock. There is an increase in both the quality and quantity of cut flowers received from both local growers and outside markets. American Beauty and Bridesmaid roses, which have been rather scarce for some time, are coming in more freely. The excellent weather of the past few days has been a boon to local growers and retailers, giving a fresh impetus to all lines of the business. The atmosphere of anticipation which pervades the entire city in view of the approaching inaugural festivities, also permeates the florists' stores, and a fine trade seems to be an assured fact. In one of the leading stores the only doubt expressed was in their ability to secure enough stock to meet all demands, but if the present fine weather continues there seems to be no cause for alarm on that score. Bulb stock is coming in very freely, and of fine quality; the jonquils seem at their best and those who like that sort of thing should find delight for their eyes. Hyacinths are quite plentiful and are being effectively displayed in pans. Freesias are being freely used as cut stock, but do not seem to be a success in pans. A great quantity of cut lilac is being used by the decorators; in fact the old days of "palms, ferns and foliage plants," for decorations, are passing away. Your strictly up-to-date decoration must be composed of cut flowers or flowering plants of the finest quality, with just enough green for effect.

NOTES.

The violet houses at Kenilworth, D. C., variously named as the Tuxedo violet houses and Hess & Company, were partially destroyed by fire on the night of February 22. The damage extended to two violet houses and the boiler room. To illustrate the proverb that misfortunes never come singly, on the same night the residence of Edward A. Mosley, the manager, who is also the secretary of the Interstate Commerce Commission, was burglarized and two overcoats stolen. Mr. Mosley has the sympathy of the craft hereabouts.

J. H. Small & Sons are pushing the work on the ball decorations in the Pension building. On February 25, Gen. Wilson, chairman of the inaugural committee, visited the hall and expressed satisfaction with the progress already made. These are busy days at Small's. In addition to this great work they have a rushing store trade, consequently the boy who stops to play is liable to see clouds and rain.

A. Gude & Bro. have been very busy with dinner and other decorations. As secretary of the Business Men's Association, inauguration week will make all kinds of business for W. F. Gude.

J. Louis Loose is showing fine Bridesmaid roses and a fine display of jonquils and hyacinths, grown at his Alexandria greenhouses.

Henry Phister has the sympathy of his many acquaintances on account of the illness of his estimable wife.

Z. D. Blackistone has been very busy with decorations and has more in sight for the present week.

Maybury & Hoover are doing a good business and handling a large quantity of fine stock.

S. E.

Carnations

Rooted Cuttings Ready Now except as noted.

- Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.
- Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.
- Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.
- Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.
- White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000		Per 100	1000
Albatross, white.....	\$5.00	\$50.00	Harlowarden, crimson.....	\$2.50	\$20.00
America, red.....	1.75	15.00	Indianapolis, pink.....	5.00	40.00
Boston Market, white.....	3.00	20.00	Morning Glory, light pink.....	2.00	18.00
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, pink.....	3.00	25.00
Crisis, new scarlet.....	12.00	100.00	Mrs. Joost, pink.....	1.75	15.00
Crusader, red.....	5.00	40.00	Mrs. Patten, variegated.....	6.00	50.00
Dahelm, crimson.....	6.00	50.00	Nelson Fisher, deep pink.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00	Prosperity, fancy.....	3.00	25.00
Eclipse, Dorner's pink.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Enchantress, light pink.....	4.00	30.00	Red Lawson, new red.....	10.00	75.00
Estelle, scarlet.....	3.00	25.00	Richmond Gem, new scarlet.....	10.00	75.00
Fiancee, new (Mar. 1).....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	The Marquis, pink.....	1.75	15.00
Flora Hill, white.....	1.75	15.00	Vesper, white.....	5.00	40.00
Genevieve Lord, light pink.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
G. H. Crane, scarlet.....	2.50	20.00	White Cloud, white.....	1.75	15.00
Gov. Wolcott, white.....	2.50	20.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

\$10 per 100	Red Lawson will Bloom	\$10 per 100
\$40 per 500	3 to 1 against any other RED	\$40 per 500
\$75 per 1000	Carnation on the market	\$75 per 1000

8000 BLOOMS
Cut and sold
Xmas Week
at \$1.50
per doz.

Palmer's RED LAWSON

8000 BLOOMS
Cut and Sold
Xmas Week
at \$1.50
per doz.

\$10 per 100	50,000 Cuttings Sold	\$10 per 100
\$40 per 500	and not a word of complaint	\$40 per 500
\$75 per 1000	FINE, STRONG, HEALTHY CUTTINGS	\$75 per 1000

W. J. PALMER & SON, Lancaster, N. Y.

CARNATIONS.

All the best varieties of this year's introduction. Also a full list of standard varieties including the famous white

THE BRIDE.

JOHN N. MAY, Summit, N. J.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by Advertising in the AMERICAN FLORIST. TRY IT NOW.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Red Sport (OF MACEO.)

RED SPORT has proved the greatest money maker we ever grew, producing more good bloom to the square foot of bench room than any other variety on the place.

During the glut the first half of January, we could get but four cents for fancy Lawsons, but sold every RED SPORT bloom we had for five cents each.

Every grower who was here in December was carried away with RED SPORT'S possibilities as a future supply of a "holly berry" red for Christmas. There is no pick in the blooms; they are all a uniform size and color. There are 40 or 50 thousand buds now showing in the various stages of development, and there is not a split or off color bloom in the lot, and every plant is the picture of health.

We will plant 20,000 RED SPORT for next season's blooming, the cut from which is already sold to two of Washington's leading retailers.

RED SPORT is an easy doer and every grower can successfully grow it.

Price for February 10, delivery: 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, post paid; \$6.00 per 100; \$50.00 per 1000.

Queen Louise the most profitable standard white, \$1.25 per 100, post paid; \$10.00 per 1000.

We guarantee all cuttings to be well rooted and to arrive in good condition. : : : :

A. B. DAVIS & SON,

CARNATION SPECIALISTS,
Purcellville, Va.

Carnations ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226, Kennett Square, Phila.

500,000 VERBENAS —60— VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2 1/4-inch pots.....\$2.50 per 100; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : :

CRISIS, New Commercial Scarlet.....\$12.00 per 100; \$100.00 per 1000.

	Per 100		Per 100		Per 100
Mrs. Patten.....	\$6.00	Flamingo.....	\$6.00	Buttercup.....	\$3.00
Judge Hinsdale.....	4.00	Dorothy Whitney.....	3.0	Prosperity.....	2.00
Lady Bountiful.....	5.00	Golden Beauty.....	3.00	Mrs. J. H. Manley.....	2.50
	100 1000		100 1000		100 1000
Wm. Scott.....	\$1.25 \$10.10	Mrs. Lawson.....	\$2.00 \$15.00	Mrs. E. A. Nelson.....	\$1.50 \$12.00
Floriana.....	1.25 10.00	Adonis.....	2.50 20.00	White Cloud.....	1.50 12.00
Lorna.....	1.25 10.00	Harry Fenn.....	2.00 15.00	Flora Hill.....	1.25 10.00
Eldorado.....	1.25 10.00	Gov. Roosevelt.....	1.50 12.00	Portia.....	1.25 10.00
Mrs. Joost.....	1.25 10.00	Mrs. P. Palmer.....	1.25 10.00	Queen Louise.....	1.25 10.00
Enchantress.....	3.00 25.00	The Queen.....	2.50 20.00	Dorothy.....	1.25 10.00

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots. \$12.00 per 100; 3 1/4-inch pots, per 100.....\$18.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100.....10.00
3 1/4-inch pots per 100.....15.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

Rooted CARNATION CUTTINGS ...NOW READY...

	Per 100	1000		Per 100	1000
WHITE.			SCARLET.		
Queen Louise.....	\$1.00	\$10.00	America.....	1.00	10.00
Flora Hill.....	1.00	10.00	Potter Palmer.....	1.00	10.00
Alba.....	1.40	12.50	Estelle.....	1.40	12.50
Gov. Wolcott.....	1.00	10.00	J. H. Manley.....	1.50	15.00
Norway.....	1.00	10.00	Apollo.....	1.50	15.00
Lillian Pond.....	1.40	12.50	CRIMSON.		
Chicot.....	1.20	10.00	Harlowarden.....	1.40	12.50
PINK.			Gov. Roosevelt.....	1.20	10.00
Mrs. Thos. Lawson.....	1.40	12.50	YELLOW.		
Enchantress.....	3.50	30.00	Golden Beauty.....	1.40	12.50
Mrs. Joost.....	1.00	10.00	Eldorado.....	1.00	10.00
Success.....	1.00	10.00	VARIEGATED.		
Mermaid.....	1.00	10.00	Prosperity.....	1.40	12.50
Cressbrook.....	1.00	10.00	Marshall Field.....	1.40	12.50
Pres. McKinley.....	1.40	12.50	Stella.....	1.40	12.50
Mrs. Theo. Roosevelt.....	1.40	12.50	Armstrong.....	1.00	10.00
SCARLET.			Viola Allen.....	1.20	11.00
G. H. Crane.....	1.00	10.00	Gaiety.....	1.20	11.00

Special prices on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Please mention the American Florist when writing.

VICTORY

To Be Disseminated 1906.
\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

—PLACE YOUR ORDERS FOR ROOTED CUTTINGS.—

	Per 100		Per 100
WHITE LAWSON.....	\$6.00	HARRY FENN.....	\$2.00
NELSON FISHER.....	6.00	GOETHE, light pink.....	2.00
MRS. PATTEN.....	6.00	GENEVIEVE LORD.....	1.50
ENCHANTRESS.....	4.00	MANLEY.....	3.00
PROSPERITY.....	2.50	MACEO.....	1.50
THE BELLE.....	6.00	CERVERA, variegated.....	1.50
LADY BOUNTIFUL.....	6.00	LAWSON.....	1.50

—5 per cent discount for cash with order.—

ALEX. J. GUTTMAN, 52 W. 29th St., New York City.

Syracuse, N. Y.

Evidences of an early spring are here and the florists are preparing for their spring work. The weather for the past week has been warm and sunny and trade has picked up wonderfully. Carnation cuttings are ready for sale and P. R. Quinlan & Company and L. E. Marquisee have large numbers for sale.

Wheadon & Henele had the largest tea decoration of the season last week and distinguished themselves by departing from the ordinary. Instead of by the usual ribbons the dining room was shut off by a floral gate which was opened and shut by a girl who held the ribbons which were attached to it. This gate was made to look like the ordinary picket gate and the body was of smilax. Enchantress carnations were studded through it with very pretty effect. Another innovation was the screening of the musicians by smilax in whip lash form instead of by the usual palm decoration. The smilax was also studded with carnations. The table decorations were striking, the candelabra apparently rising out of a bed of tulips.

P. R. Quinlan & Company are getting ready to build two more greenhouses at the Valley range, one for American Beauty roses, 140 x 30 feet and the other for plants, 140 x 12 feet. It is probable that by another year the West Genesee street range will be given up and the entire growing department will be installed at the Valley.

The first hybrid roses in jars of the season have been received by Wheadon & Henele. They report a large funeral trade and say that business in general is brightening up. A. J. B.

WICHITA, KAN.—Chas. P. Mueller will add three new houses to his range in the spring. Carnations are principally grown but he will go into roses more heavily next season.

ROOTED CUTTINGS.

Fine, Clean, Healthy Stock. Satisfaction Guaranteed.

ROSES.

	Per 100	Per 1000
AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.20
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

RED	Per 100	Per 1000
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	2.50	20.00
PINK		
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.00	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00
LIGHT PINK		
HIGINBOTHAM.....	1.00	9.00
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.25	10.00
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00
VARIEGATED		
M. A. PATTEN.....	5.50	45.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

A Large Stock of Well Rooted

CARNATION CUTTINGS

Selected from Clean, Healthy stock just the kind you are looking for and at **ROCK BOTTOM PRICES** as a leader we offer : : :

BOSTON MARKET, \$1.50 per 100; \$15.00 per 1000.

	Per 100	Per 1000		Per 100	Per 1000
Siella.....	\$2.00	\$15.00	Mrs. Ine.....	\$1.50	\$12.00
Mrs. Lawson.....	1.25	10.00	Mrs. Nelson.....	1.50	12.00
Harry Fenn.....	2.00	15.00	Triumph.....	1.50	12.00
Roosevelt.....	1.50	12.00	Guardian Angel.....	1.00	9.00
Estelle.....	2.50	20.00			

All stock sold with the understanding that if not as represented same is to be returned immediately when money will be cheerfully refunded.

J. A. BUDLONG, 37 Randolph St., CHICAGO.

Receiver's Sale.

CARNATIONS. Clean, healthy Rooted Cuttings.

RED.	RED.	PINK.	Queen Louise
Manley	Earle	Mrs. Lawson	Flora Hill
Mrs. Potter Palmer	America	Mrs. Nelson	VARIEGATED.
Mrs. Ine	PINK.	Guardian Angel	Prosperity
Flamingo	Enchantress	WHITE.	Armazindy
Harlowarden	Mrs. Higinbotham	White Cloud	Her Majesty

ROSES.

American Beauty, Bridesmaid, Ivory, Liberty, Bride, Golden Gate.

Shipped promptly from Greenhouses of **MICHAEL WINANDY.** Write for prices and terms.

EDWIN C. DAY, Receiver, 51 Wabash Ave., Chicago.

CRISIS This **NEW CARNATION** has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg. Pa.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	4.00	30.00
H. FENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

Please mention the American Florist when writing.

Nice Clean Stock

ROOTED CARNATION CUTTINGS.

CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Boston Market, White Cloud and Mme. F. Joost. Also unrooted of last two varieties. Prices upon application.

C. G. VELIE & SON, Marlborough, N. Y.
Valley View Greenhouses.

Please mention the American Florist when writing.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.

Please mention the American Florist when writing.

ROOTED

CARNATION CUTTINGS.

—NOW READY—

White Lawson M. A. Patten
Flamingo Nelson Fisher
Lady Bountiful Albatross
The above at \$5 per 100; \$40 per 1000.
The following at \$3 per 100; \$25 per 1000:
Enchantress The Queen
Boston Market Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

Please mention the American Florist when writing.

60,000 Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100
BRIDE.....	\$10.00
BRIDESMAID.....	10.00
LA DETROIT.....	12.00
GEN. MACARTHUR.....	12.00
LIBERTY.....	12.00

ROOTED CUTTINGS.

Guaranteed all side shoots. No tops.
READY NOW.

	Per 100
BRIDE, BRIDESMAID.....	\$1.50
CHATENAY.....	1.50
LIBERTY.....	2.50
PERLE.....	2.50

CARNATIONS.

	Per 1000
GOV. WOLCOTT.....	\$12.50
WHITE CLOUD.....	12.50
NORWAY.....	12.50
LAWSON.....	12.50
MORNING GLORY.....	12.50
JOOST.....	12.50
ENCHANTRESS.....	25.00
FLAMINGO.....	50.00
CRUSADER.....	40.00
ESTELLE.....	25.00
AMERICA.....	12.50
PROSPERITY.....	12.50
GAITY.....	15.00

ALL PLANTS SHIPPED FROM
HINSDALE.

Bassett & Washburn,

Store: 76 Wabash Ave., CHICAGO.
Greenhouses: HINSDALE, ILL.

Rooted Carnation Cuttings.

PINK	Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00
WHITE		
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00
Marion.....	2.00	15.00
RED		
Flamingo.....	6.00	
Crusader.....	6.00	
Crane.....	2.00	15.00
Mrs. Patten.....	6.00	
Prosperity.....	2.50	20.00
Harlowarden.....	3.00	25.00

We can furnish Cuttings of all the
Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

CARNATIONS STRONG ROOTED CUTTINGS.

WE OFFER FIRST-CLASS STOCK OF THE FINEST VARIETIES.

Variegated Lawson. This variety which we are introducing this season we are sure will prove to be the very best variegated sort. Pure ivory white with delicate carmine pencilings. Mr. W. N. Craig, an authority on everything pertaining to horticulture, says that he knows that this variety will outbloom the favorite Mrs. M. A. Patten three to one. It has the Lawson habit and stem, and is bound to give satisfaction. \$12 per 100; \$100.00 per 1000.

Red Lawson. A bright red sport of Lawson that is bound to be popular, and will be grown where Lawson is popular. \$10.00 per 100; \$75.00 per 1000.

Cardinal. Bright cardinal, or crimson scarlet. Won first prize for best 100 scarlet, first prize for best 50 carnations any color, first prize for best 50 scarlet seedling, Chicago. \$12.00 per 100; \$100.00 per 1000.

Fiancee. The queen of pink carnations; in a class by itself. Magnificent flowers; strictly fancy in every respect. \$12.00 per 100; \$100.00 per 1000.

Fred. Burki. Recommended as an extra free-blooming white variety and a claimant for popular favor. \$12.00 per 100; \$100.00 per 1000.

White Lawson. We consider this variety, which we introduced last season, the most profitable white carnation ever sent out. We think it will outbloom any other white two to one. It has given great satisfaction. When the flowers are left on the plants until fully developed they are much larger than Mrs. Thos. W. Lawson. We believe this will occupy among white carnations the same place that Mrs. Thos. W. Lawson does among pink carnations. Remember that we are headquarters for it. Splendid stock ready for immediate delivery. \$7.00 per 100; \$60.00 per 1000.

LADY BOUNTIFUL. A magnificent white of last season's introduction. \$6.00 per 100; \$50.00 per 1000.

DAHEIM. Dark crimson. Grand stiff stem. Calyx never bursts. Free and abundant bloomer, developing very quickly. We consider this the best all-around crimson carnation. \$6.00 per 100; \$50.00 per 1000.

MRS. M. A. PATTEN. This grand variegated

carnation has given splendid satisfaction. \$6.00 per 100; \$50.00 per 1000.

ENCHANTRESS. Freest blooming, bringing highest market prices. \$4.00 per 100; \$30.00 per 1000.

MRS. THOS. W. LAWSON. \$3.00 per 100; \$20.00 per 1000.

PROSPERITY. A magnificent fancy carnation. \$3.00 per 100; \$20.00 per 1000.

We are now prepared to book orders for 1906 **VICTORY.**
for THE COMING SCARLET CARNATION . . .

This is a real bread-and-butter variety. An early, free and abundant bloomer, with good stem; a magnificent keeper and shipper; flowers of the largest size, commanding the very highest price. This is going to be a money-maker. Orders will be filled in rotation, as received. Delivery beginning December next. \$12.00 per 100; \$100.00 per 1000.

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, N. Y.

CARNATIONS

WM. PENN. A promising pink novelty, the greatest bloomer ever happened. From soil \$10 per 100; 25 for \$25.00.

Queen Louise, from soil at \$10.00 per 1000.
Floriana, from soil at \$12.50 per 1000.

Big Batch of Cuttings From Sand. Ready March 20. Send for March price list.

GERANIUMS

ROOTED CUTTINGS.

Next Delivery March 27. \$10 and \$12.50 per 1000.

100,000 Smilax. 50,000 Sprengerii.
50,000 Plumosus and Robustus.

Ready June 1. Send for prices.

ALBERT M. HERR,

Lancaster, Pa.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

INDIANAPOLIS FLOWER & PLANT CO., } Indianapolis,
JOHN HARTJE..... } Ind.

FLAMINGO

Rooted Cuttings now ready, \$6.00 per 100; \$50.00 per 1000. Cash with order from unknown parties.

L. E. MARQUISEE, Syracuse, N. Y.

CARNATIONS

ROOTED CUTTINGS.

	Per 100	Per 1000
The Queen.....	\$2.00	\$15.00
Estelle.....	2.00	15.00
Flamingo.....	3.00	25.00

E. H. BLAMEUSER, Niles Center, Ill.

To Bed Supperless.

AMERICAN FLORIST Co.—I would rather go to bed without my supper than go without the AMERICAN FLORIST.
Montreal, Can. JOHN WALSH.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	50.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

CRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Please mention the American Florist when writing.

Wm. P. Craig

Importer and Exporter.....

Plants, Bulbs and Seeds.

1305 Filbert Street, PHILADELPHIA.

Please mention the American Florist when writing.

New Orleans.

Business has been entirely paralyzed by the weather during the last three weeks; the winter of 1905 will be remembered as one of the severest we have had for several years. The florists were well prepared and little damage was done to their stock. Private gardens were heavily touched by the frost.

At the last meeting of the New Orleans Horticultural Society it was decided that a flower show of chrysanthemums and other plants will be given during next November. The committee on prizes to be awarded to private gardens made its report. Owing to the bad weather the work has been delayed. The firm of McGregor Brothers, of Springfield, O., sent a check of \$15 to be given as a prize for the competition of the best kept garden in New Orleans. A few members complained about the way they have been treated by shippers from the north, especially with line of cut flowers received from the west. When received and after they had been paid, C. O. D., without any inspection being allowed, the stock was found entirely worthless. In many instances it could be easily seen that the flowers had been shipped in bad condition; some American Beauty roses coming purple for having been kept too long on ice. A committee was appointed to act in the matter.

M. M. L.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held Saturday February 18. President R. A. Schmid was in the chair. The Housatonic Agricultural Society held an institute with the Lenox society and introduced Prof. Geo. E. Stone of Amherst, who gave a public lecture on "The Relation of Science to Agriculture." Prof. Stone dealt chiefly on the experiments they are making at Amherst, and was very interesting.

G. F.

—UNROOTED—

CARNATION CUTTINGS.

The following at \$3 per 100; \$25 per 1000

White Lawson	M. A. Patten
Flamingo	Nelson Fisher
Lady Bountiful	Crusader

The following at \$2 per 100; \$15 per 1000

Enchantress	The Queen
Boston Market	Fair Maid

IMPERIAL GREENHOUSES, UTICA, N. Y.

Please mention the American Florist when writing.

CARNATIONS.

PETUNIAS.

SALVIAS.

Strong Rooted Cuttings.

N. Fisher... \$5.00	Walcott.... \$2.00	\$18.00
Indianapolis 4.00	Lawson.... 1.50	14.00
Enchantress 2.50	Glacier.... 1.50	14.00
B. Market... 2.00	Prosperity.. 1.50	14.00
Estelle..... 2.00		18.00

Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100, \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD, ILL.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

THE BEST. NOW READY.

WHITE.	Per 100	1000
Lady Bountiful.....	\$8.00	\$50.00
White Lawson.....	6.00	40.00
The Belle.....	5.00	40.00
Moonlight.....	4.00	30.00

SCARLET.	Per 100	1000
Crusader.....	5.00	40.00
Flamingo.....	5.00	40.00
Cardinal.....	12.00	100.00

CRIMSON.	Per 100	1000
Harlowarden.....	2.00	15.00

PINK.	Per 100	1000
Enchantress.....	\$3.00	\$25.00
Mrs. Lawson.....	2.00	15.00
Fair Maid.....	2.00	15.00
Fiancee.....	12.00	100.00

VARIEGATED and FANCY.

Mrs. M. A. Patten.....	6.00	50.00
Whitney, yellow.....	4.00	30.00
M. Field.....	3.00	25.00
Prosperity.....	2.00	15.00

Chicago Carnation Co.

JOLIET, ILLINOIS.

RICHMOND GEM

READY NOW. Freest Scarlet on the market to-day. \$10.00 per 100; \$40.00 per 500; \$75.00 per 1000.

Also	Per 100	1000
Enchantress.....	\$1.00	\$30.00
Lawson.....	1.50	12.50
Joost.....	1.25	10.00
Marquis.....	1.25	10.00

Boston Market.	Per 100	1000
White Cloud.....	\$2.50	\$20.00
Queen Louise.....	1.50	12.50
Flora Hill.....	1.25	10.00

Per 100	1000
Prosperity.....	\$1.50 \$12.50
Estelle.....	2.00 15.00

The price isn't high. The quality cannot be surpassed.

Quality is Our Hobby.

W. C. HILL FLORAL CO.,

Streator, Ill.

CARNATIONS

150,000 Rooted Cuttings.

	Per 100	1000
Queen Louise.....	\$1.00	\$10.00
America.....	1.00	10.00
G. H. Crane.....	1.00	10.00
Eldorado.....	1.20	10.00
Marshall Field.....	1.40	12.50
Armazindy.....	1.00	10.00
Mrs. Joost.....	1.00	10.00
Mrs. Thos. W. Lawson.....	1.40	12.50
Pres. McKinley.....	1.40	12.50
Success.....	1.00	10.00
Harlowarden.....	1.40	12.50

Unrooted cuttings at half price. Terms: Cash or C. O. D. with privilege of examination. Express prepaid at above prices and satisfaction guaranteed.

HERMITAGE CARNATION CO.,
LOOMIS, CAL.

CARNATIONS.

Genevieve Lord,
Lawson,
Fair Maid,
Mrs. Patten,
Enchantress,
Gen. Gomez,

Apollo,
Morning Glory,
White Cloud,
Walcott,
Prosperity.

ROSES.

Gen. MacArthur,
Perle,
Ivory,
Bride,
Bridesmaid,
Golden Gale,

Uncle John,
Chatenay,
American Beauty,
Kaiserin,
La Detroit.

WE offer Rooted Cuttings of the above at lowest market rates. All first-class stock. Cuttings are carefully selected. We wish to call special attention to the **GEN. MACARTHUR**, which we believe to be the coming red rose. Prices on application.

POINSETTIAS, 1-yr-old, \$5 per 100.

The Gasser Company,

Euclid Ave., CLEVELAND, OHIO.

20,000 Grafted

ROSES

Out of 2 1/4-inch pots.
Ready for delivery March 20.

	Per 100
BRIDE.....	\$12.00
BRIDESMAID.....	12.00
LIBERTY.....	15.00

Out of 3 1/2-inch pots.
For April and May Delivery.

	Per 100
BRIDE.....	\$15.00
BRIDESMAID.....	15.00
LIBERTY.....	20.00

Order by mail or from our salesman, Bernard McGinty, 1 A Park St., Boston, Mass.

MONTROSE GREENHOUSES,

Montrose, Mass.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON.....	\$8.00	\$50.00
FLAMINGO.....	6.00	50.00
ENCHANTRESS.....	3.00	25.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Money by TELEGRAPH.

Order now, the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for \$3.00 per doz., and give tone to your establishment.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.



Verbena King

VERBENAS—Rooted cuttings, 60c per 100; \$5.00 per 1000.

SALVIAS—Bonfire and St. Louis, the two best of them all. \$1.00 per 100; \$8.00 per 1000.

ALTERNANTHERAS—70,000 red and yellow, Sept. struck, equal to 2-in; these are fine; 60c per 100; \$5.00 per 1000.

HELIOTROPES—The best named varieties, \$1.00 per

100; \$8.00 per 1000.

COLEUS—Thirty named leading varieties, 70c per 100 \$6.00 per 1000

PETUNIAS—King's Double White, the great bloomer, fine for cut flower work, \$1.25 per 100; \$10.00 per 1000

CUPHEA—(Cigar Plant), \$1.25 per 100; \$10.00 per 1000.

SWEET ALYSSUM—Car big double giant, \$1.00 per 100; \$8.00 per 1000

LANTANAS—5 best varieties, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings, and guarantee satisfaction and safe arrival. Write for prices on large lots; also send for list of rooted cuttings.

C. HUMFELD, Clay Center, Kan.
The Rooted Cutting Specialist.

Please mention the American Florist when writing.

Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Cassiers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$5.00 per 1000. Extra large plants coming in bud, \$1.00 per 100; \$9.00 per 1000

Mammoth Verbenas, 60c per 100; \$5.00 per 1000.

Stocks, dbl. white for Easter, \$1 per 100; \$8 per 1000.

Daisies, dbl. white, 75c per 100; \$5.00 per 1000.

Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000.

Salvia Splendens, \$1.00 per 100

Lobelia dwarf blue, \$1.00 per 100.

Ageratum, dwarf blue, 60c per 100.

Asparagus Plumosus Nanus from flats, ready for 3-inch pots \$3.00 per 100; 3-in. ready for 4-in., \$3.00 per 100. Plants by the 100 mailed free.

HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y.

Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100

Asp. Plumosus Nanus, small plants to close 1.75

10 Vars Geraniums, 2½ pots and 2-in. pots 3.00

Alternantheras, red and yellow, March 1..... 2.00

10 Vars. Coleus, 2-in. pots, March 1..... 2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

PANSY PLANTS THE JENNINGS STRAIN

Fine plants, fancy colors, large flowering.

Large plants in bud and bloom, \$1.00 per 100.

Medium size for cold frames, \$3.50 per 1000; 500 for \$2.00. By mail, 75c per 100. Seed, \$1.00 per pkt.; \$5.00 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

BROWER OF THE FINEST PANSIES.

Giant Pansies

In distinct colors or mixed. Strong transplanted in bud, \$1.25 per 100; \$10.00 per 1000; 3,000 for \$25.00.

Peonies in fine assortment. Distinct colors named sorts, \$1.50 dozen; \$10.00 per 100; \$90.00 per 1000.

F. A. BALLER, Bloomington, Ill.

Cinerarias from Bennett's prize show flowers saved, giant-flowered, finest colors and shades, dwarf or semi-dwarf, makes fine selling plants for Easter; 3-in., ready for 5-in. pots, \$1.00 per 100. Cash.

Shellroad Greenhouses, Grange P. O., Balto., Md.

Easter Plants

A SPECIALTY.

Notice—Lowest prices on good stock. All showing buds and can be forced into bloom at once or can be easily kept for Easter blooming.

Spiraea Compacta, Floribunda, Japonica. all are large plants, 6-inch pots, \$2.00 per doz. Gladstone, from \$3.00, \$4.00 to \$5.00 per doz. Aralia Indica, have 1,500 Mud. Van der Cruyssen, as round as an apple, covered with buds, 75c, \$1.00, \$1.25 to \$1.50 each. Other leading varieties, all shades, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. Lilium Harrison and Japan Multiflorum, 6-inch pots, from 3 buds up, 10c per bud. White Daisies, (Marguerites), 6 inch pots, \$2.50 per doz. Hydrangea Otaksa, 6-inch pots, \$3.00 to \$4.00 per doz.; 7-inch pots, 75c each.

Cineraria Hyb. 6-inch pots, \$2.00 to \$3.00 per doz.; 4 to 5 inch pots, \$1.25 per doz. Begonia, Pres. Carnot, Flambeau and others, 6-inch pots, \$2.50 per doz. Roses, American Beauty, large, 6-inch pots, 40c; Brides, Kaiserin, Hermosa and other hybrids, 5½-inch pots, 25 to 30c each.

Hyacinths, first size, 4-inch pots, all shades, \$10.00 per 100. Dbl. Tulips, Tournesol, 3 bulbs in a 4-inch pot, \$1.50 per dozen pots. Daffodils, Von Sion, double nosed, 6-inch pots, 3 in a pot, \$2.00 per doz. All bulbs dormant in cold frame, will take two to three weeks to force into bloom.

Arucaria Excelsa, 7-inch, 5 to 6 tiers, 25 to 30 and more inches high, \$1.50 each. **Ficus elastica**, 25 to 30 inches high, 6 to 7-inch pots, \$6.00 to \$7.00 per doz. **Primula Obconica**, 5½-inch pots, full of flowers, \$2.00 per doz.

I am the Moon Vine grower of the land. 10,000 now ready in 2½-inch pots of A. W. Smith's Ipomea Hortiflora, purest large white Moon Vine in the world. Price, \$5.00 per 100. Mr. Smith has a world wide reputation for them.

GODFREY ASCHMANN,
Wholesale Grower and Importer of Pot Plants.

Bell Phone Tloga 3669 A.

1012 Ontario St., PHILADELPHIA, PA

Bedding Plants.

Cash with order. Per 1000 Exp. Mail

60,000 Alternantheras, strong fall plants, red, yellow..... \$ 5 \$15.00 \$.85

Ageratum, dwarf, in varieties..... .80

Alyssum, double sweet..... 2.00 1.00

Boston Ferns, 5-inch, 25c each..... 3.00

Coleus, in varieties..... 2.00 .60

Feverfew, Little Gem..... 2.00 1.00

Fuchsia 6 named varieties..... 2.50 1.00

Marguerites, Etoile de Or, yellow..... 1.00

" Mme. Lalibert, white..... 1.00

25,000 Geraniums, 20 varieties..... 2.50 1.50

15,000 Geraniums, Mme. Sallerol..... 2.00 1.00

Petunias, double fringed, white and in var..... 1.50 1.25

Pansies, Florists' International, in bud and bloom..... \$15

Salvia, 4 named varieties..... 2.00 1.00

Forget-me-nots..... 2.00 1.00

Verbenas, in colors, from flats..... .50

LUDVIC MOSBAEK, Onarga, Ill.

COLEUS

ROOTED CUTTINGS

Verschoaffellil, Fire Brand, Golden Queen, Backwith's Gem, Lord Palmerston, Queen Victoria and Fanolies, 60c per 100; \$5.00 per 1000.

Golden Hedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

ACERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Renvald, rooted cuttings, 75c per 100; \$6.00 per 1000.

VINCA VARIEGATA, 3-in. pots, \$5.00 per 100.

FRANK A. PIERSON, Cromwell, Conn.

Please mention the American Florist when writing.

It is good business policy

.....to mention the

American Florist

When you write to an advertiser.

Vinca Variegata.

ASPARAGUS PLUMOSUS NANUS, Extra heavy, 3-inch, 4c.

ASP. SPRENGERI, 2-inch, \$1.75 per 100.

HARDY PINKS, large field-grown, 5 sorts, 3¼c.

UMBRELLA PLANTS, 2-in. fine, 2c.

PARIS DAISY, Giant 2-inch, 2c.

DOUBLE DAISIES, Snowball, Longfellow, \$2.50 per 1000.

ABUTILONS, 4 varieties, 2½-inch, 3c.

SALVIAS, 2-in., Bonfire, Splendens, Silverspot, \$17.50 per 1000.

ALYSSUM, Giant double, 2-inch, 2c.

Rooted Cuttings, per 100, prepaid: **Heliotrope**, \$1.00. **Ageratum**, white, Gurney, Pauline, 50c.

Salvia, Splendens, Bonfire, Silverspot, 90c; \$8.00 per 1000. **Fuchsia**, 5 best varieties, \$1.25.

Hardy Pinks, 7 varieties, some everblooming, 75c; \$7.00 per 1000. **Dbl. Petunias**, 10 finest, \$1.00.

Alternanthera, red and yellow, 50c; \$4.00 per 1000. **Swainsone Alba**, 75c. **Tradescantia**, 2 kinds, 75c.

Everblooming Forget-me-nots, \$1.00. **Stevia**, serrata and Variegata, 75c. **Giant Paris Daisy**, 100. **Verbena**, 60c. **Coleus**, 60c. **Mums**, Weeks, \$1.00. **Vinca Variegata**, 90c

—CASH—

BYER BROS., Chambersburg, Pa.

SPECIAL OFFER

Of Florists' Orchids.

We Want More Room for Large Importations.

Cypripedium Insigne, 5,000 established unflo-

wered growths, \$8.00 per 100; \$75.00 per 1000.

Cypripedium Callosum, 1,000 established unflo-

wered growths, \$20.00 per 100.

Cypripedium Lawrenceanum, 1,500 established unflo-

wered growths, \$25.00 per 100.

Dendrobium Formosum, **Cliganteum**, The florists' white orchid, established plants, 8 to 10

bulbs, \$9.00 per 12; \$70.00 per 100.

Vanda Coerulea, The florists' blue orchid. A rare opportunity. Established plants, 10 to 12

leaves, \$15.00 per 12; 12 to 15 leaves, \$22.00 per 12.

All clean, healthy plants. For other quotations, see our catalogue, to be had from

JULIUS ROEHRS COMPANY,

EXOTIC NURSERIES,

Rutherford, New Jersey.

Please mention the American Florist when writing.

A FEW GOOD THINGS

YOU WANT.

KENTIAS, As fine a lot of single and made-up

plants as ever grown, 4-in., 5-in., 6-in., 7-in.,

and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each.

DRACAENA INDIVISA, 3, 4, 5-inch, \$3.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vland, B. A. Nutt, Castellane, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorita, 2-in. pots, \$3.50 per 100.

Unrooted cuttings of **CARNATIONS**. The best and cheapest way to buy them. Queen Louise, Portia, Crooker, Goodenough, 50c per 100. Lawson, \$1.00 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000

GERMAN IVY, 2-in., \$2.50 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

Easter Stock

IN EASTER LILIES,

HYDRANGEAS, GENISTAS,

SPIRAEA GLADSTONE,

RHODODENDRONS.

Palms, Ferns and

Decorative Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

Groton, Conn.

The New London Horticultural Society which disbanded some time ago has been succeeded by the New London-Groton Horticultural Society, which was formed about three months ago and numbers now over 100 members. The society meets every two weeks. The following are the officers for the current year: President, Thomas W. Head; vice-president, Chas. D. Gallagher; recording secretary, Louis A. Giger; financial secretary, Frank E. Gledhill; treasurer, John P. Silve; librarian, John Archer. Executive committee, John Malloney, John Archer, Edward W. Clark, Alfred Hunt, Otto F. Ernst. Show committee, John Archer, Louis A. Giger, Edward W. Clark, David Gordon, Albert Lawson. H.

CALLA, O.—R. L. Templin & Son, formerly owners and managers of the Templin greenhouses, but who recently moved to Cleveland, where they engaged in the music store business, have dissolved partnership.

MUSKEGON, MICH.—The Muskegon Horticultural Society held its regular meeting February 25. S. A. Aldrich and G. A. Whitbeck were appointed to draft suitable resolutions on the death of President James H. Whitney.

FOUR BARGAINS.

Asparagus Sprengeri. Bushy plants, well established, ready for a shift, from 2½-inch pots, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Feverfew. (Matriocaria) Little Gem, dwarf, bushy and always in bloom. The best of all. From 2½-inch pots, \$2.50 per 100.

Violet Princess of Wales. Thrifty, fall propagated stock from flats, \$2.50 per 100. Rooted cuttings, \$1.25 per 100.

Vinca Major Variegata. Small field-grown clumps full of ends. Excellent for spring sales. From 3-in. pots, \$5.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The GARDENERS' CHRONICLE has been for OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscriptions to the United States, \$4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

41 Wellington St., Covent Garden, London, England.

GARDENIA PLANTS.

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex.

Stanley & Co.

SOUTHGATE, ENGLAND.

The Live Orchid Importers are constantly receiving importations of the finest character. They Solicit Enquiries. Brazilian Species shipped in bulk ex Brazilian Port. Cattleya Mossiae, C. labiata, C. Warnerii, Laelia tenebrosa now arriving in perfect, leafy, dormant condition.

Paeonias

Per 100

FESTIVA MAXIMA \$35.00

WHITE (generally called Queen Victoria) 9.00

FRAGRANS, the tall growing, heavy

blooming variety..... 6.00

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,

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Orchids!



Arrived in fine condition CATTLEYA MENDELLII, DENDROBIUM WARDIANUM, LAELIA ANCEPS and ONCIDIUM TIGRINUM UNGUICULATUM. We also offer a fine lot of well-grown bulbs of CALANTHE VEITCHII.

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SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$25.00 per 1000. Satisfaction guaranteed.

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ROOTED CUTTINGS.

Fifteen varieties at \$10.00 and \$12.50 per 1000. Send for complete price list of GERANIUMS and CARNATIONS.

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Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

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TINY PLANTS. In 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100.

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Per Doz. Per 100
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50 CENTS PER STRING.

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Extra choice, large clumps.....Per 100 \$5.00
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Per 100
Latania Bor., 2-in. pot, seed leaves... 3.00
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Louisville.

Last week containing several nice days made business satisfactory in every respect. The change in weather was a much appreciated one, as what we have been having was severely cold. Roses are supplied about equal to the demand, while the quality has not improved very much. The demand has been very good. The quality of carnations is good, while the quantity is also a great deal more satisfactory. The demand has been unusually good. The wholesale price realized on some of the stock recently has been rather low. The demand for violets has been heavy, while the quantity and quality were upheld very well. Lily of the valley of very good quality is coming in, in quantities equal to the demand. Mignonette and sweet peas are very slow in quantity, and the quality too is not very good and the demand has been slow. Freesias are plentiful. The demand for bulbous stock has been very good. Green goods are scarce.

The regular monthly meeting of the Kentucky Society of Florists will be held Tuesday night, March 7, at Nanz & Neuner's Fourth avenue store. Carnation and rose night will be in order, many outside exhibits being looked for, while the locals are also requested to bring anything they may have.

Visitor: Mr. Rose, of The J. W. Sefton Manufacturing Co., Anderson, Ind. F. L. S.

WINNIPEG, MAN.—The Western Agricultural Society's executive committee held a meeting February 16, and decided to carry out the annual distribution of plants as premiums among members this spring.

RED STANDARD POTS. Price per 1000 f. o. b.
Harrison: 2-in., \$2.25; 2½-in., \$2.70; 3-in., \$3.25; 3½-in., \$4.25; 4-in., \$5.50; 4½-in., \$6.80; 5-in., \$8.10; 6-in., \$12.00. Cash must accompany order.
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FLORISTS' SUPPLIES
Galax Leaves and all Decorative Greens.
New York Agents for Caldwell's Monroe, Ala.,
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10,000, \$1.50; 50,000, \$6.25. Manufactured by
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Sample Free. For sale by dealers.

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White Carnations GREEN
For St. Patrick's Day.
Be up-to-date and arrange your show windows with
Green Carnations for St. Patrick's Day.
March 17th. You will not regret it. It's a money maker. I sell the Liquid in quart cans at \$1.00 per can. One quart will color 1000 or more carnations. Full directions with each can. Non-Poisonous.
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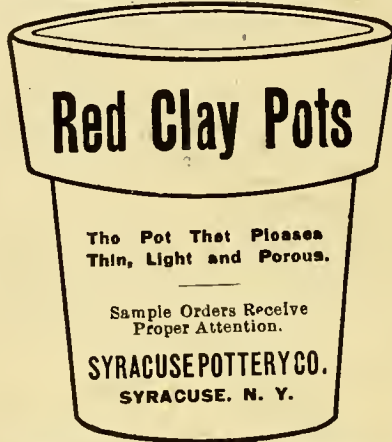
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THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.



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SAMPLE POT AND PRICE LIST
ON APPLICATION.

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Standard Flower... POTS

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PADUCAH, KENTUCKY.

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The neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.

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Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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Packed in small crates, easy to handle.		Price per crate	
1500 2-in., in crate,	\$4.88	120 7-in., in crate,	\$4.20
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1500 3 " "	6.00	HAND MADE.	
1000 3 " "	5.00	48 9-in., in crate,	\$3.60
800 3½ " "	5.80	24 10 " "	4.80
500 4 " "	4.50	24 12 " "	3.60
220 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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TOBACCO-PAPER INSECTICIDE
—BY FAR THE BEST.—



FOR SALE BY SELDMEN.
24 sheets, 75c. 144 sheets, \$3.50;
288 sheets, \$6.50 (only 24c each)
PACKED IN FRICTION-TOP TINS
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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

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The best, strongest and neatest folding out flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
3x 4x20	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
3x 4 1/2 x 16	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
3x 6x18	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
4x 8x18	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
3x 5x24	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
4x 8x22	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
4x 8x28	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
6x16x20	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
3x 7x21	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
5x10x35	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
7x20x20	1.50	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
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Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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and Tying Wires.

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Quite Dead?

Sure I used Nicotifide. Best cure for "overliveliness" in insect pests.

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STOPS ALL CRACKS and CREVICES in the Sash or Roof of the Greenhouse. Sold by Supply Houses in Chicago, Milwaukee, Detroit, Cincinnati, Indianapolis, Cleveland, Allegheny, Philadelphia, New York, Buffalo, Boston, Baltimore, Etc.

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The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1-12-in. Mower, \$5; No. 2-15-in. Mower, \$6; No. 3-18-in. Mower, \$7; No. 4-21-in. Mower, \$8. Send draft, money-order or reg. letter.

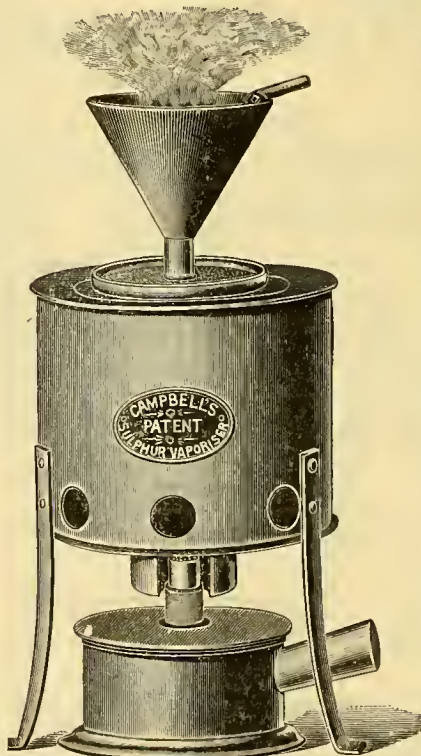
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The Mower

that will Kill all the Weeds in Your Lawn. If you keep the weeds out so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

GREAT BRITISH SUCCESS

CAMPBELL'S PATENT SULPHUR VAPORISER.



An apparatus which safely vaporises sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, Strawberries, Etc. Also kills that dreaded pest Red Spider.

Hundreds of Unsolicited Testimonials.

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Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

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I have given your Patent Sulphur Vaporisers a thorough trial, and am more than pleased with the result. Generally, before housing my Show Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY, Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet, the tube of which is loosely closed by a pyramidal hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside, thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

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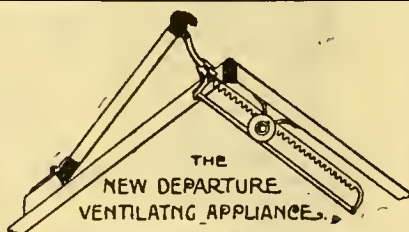
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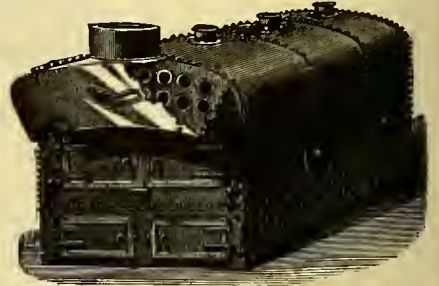
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Carnation—Rooted cuttings. Quality our hobby. Lawson, \$1.50 per 100, \$12 per 1,000; Mme. Joost, \$1.25 per 100, \$10 per 1,000; Marquis, \$1.25 per 100, \$10 per 1,000; White Cloud, \$1.50 per 100, \$12.50 per 1,000; Prosperity, \$1.50 per 100, \$12.50 per 1,000; Estelle, \$2 per 100, \$15 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; B. Market, \$2.50 per 100, \$20 per 1,000; Queen Louise, \$1.25 per 100, \$10 per 1,000; Flora Hill, \$1.25 per 100, \$10 per 1,000.
W. C. Hill Floral Co., Streator, Ill.

Carnation—Unrooted carnation cuttings. Queen Louise, Portia, Crocker, Goodenough, 50c per 100; Lawson, \$1 per 100; Gladolus, bulbs, 75c per 100, \$6 per 1,000. Cash with order.
George M. Emmans, Newton, N. J.

Carnation—Rooted cuttings. Chicago, \$10 per 100, \$120 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Belle, \$5 per 100, \$45 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Peru, \$1 per 100, \$9 per 1,000. Richmond Gems, \$10 per 100, \$75 per 1,000; Crusader, \$5 per 100, \$45 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Indianapolis, \$5 per 100, \$45 per 1,000. Phyllis, \$10 per 100, \$120 per 1,000. Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Joost, \$1 per 100, \$9 per 1,000; Mrs. Higginbotham, \$1 per 100, \$9 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Nelson, \$1.50 per 100, \$11.50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Lawson, \$1.50 per 100, \$12.50 per 1,000.
Peter Reinberg, 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted cuttings: Nelson Fisher, \$7 per 100, \$50 per 1,000; Mrs. M. A. Patten, \$5 per 100, \$50 per 1,000; Boston Market, \$3 per 100, \$20 per 1,000.
J. D. Thompson Carnation Co., Joliet, Ill.

Carnation—Rooted cuttings.
Wm. Swayne, Box 225, Kennett Square, Philadelphia, Pa.

Carnation—Rooted carnation cuttings now ready. White Lawson, Flamingo, Lady Bountiful, Mrs. M. A. Patten, Nelson Fisher, Albatross at \$5 per 100, \$40 per 1,000. Enchantress, Boston Market, The Queen, Fair Maid at \$3 per 100, \$25 per 1,000.

Imperial Greenhouses, Utica, N. Y.

Carnation—Carnation cuttings. The best now ready. Lady Bountiful, \$6 per 100; \$50 per 1,000. White Lawson, \$6 per 100; \$50 per 1,000. The Belle, \$5 per 100; \$40 per 1,000. Moonlight, \$4 per 100; \$30 per 1,000. Crusader, \$5 per 100; \$40 per 1,000. Flamingo, \$5 per 100; \$40 per 1,000. Cardinal, \$12 per 100; \$100 per 1,000. Harlowarden, \$2 per 100; \$15 per 1,000. Enchantress, \$3 per 100; \$25 per 1,000. Mrs. Lawson, \$2 per 100; \$15 per 1,000. Fair Maid, \$2 per 100; \$15 per 1,000. "Fiancee," \$12 per 100; \$100 per 1,000. M. A. Patten, \$6 per 100; \$50 per 1,000. Whitney, \$4 per 100; \$30 per 1,000. M. Field, \$3 per 100; \$25 per 1,000. Prosperity, \$2 per 100; \$15 per 1,000.

Chicago Carnation Co., Joliet, Ill.

Carnation—Fred Burkl. All orders booked now are for March delivery.
John Murchie, Sharon, Pa.

Carnation—My Maryland, delivery January, 1906, \$2.50 per doz., \$12 per 100, \$100 per 1,000. Write us for other varieties.
H. Weber & Sons, Oakland, Md.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnation—Carnation Fred Burkl. All orders booked now are for March delivery.

S. S. Skidelsky, Philadelphia, Pa.

Carnation—Flamingo, rooted cuttings now ready, \$6 per 100; \$50 per 1,000. Cash with order from unknown parties.

L. E. Marquisee, Syracuse, N. Y.

Carnation—Carnation, rooted cuttings. The Queen, Estelle, \$2 per 100; \$15 per 1,000. Flamingo, \$3 per 100; \$25 per 1,000.

E. H. Blaumeuser, Niles Center, Ill.

Carnation—Rooted cuttings. Crusader, \$5 per 100, \$45 per 1,000; Flamingo, \$5.50 per 100, \$45 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Nelson Fisher, \$6.50 per 100, \$55 per 1,000; Mrs. Nelson, \$1.50 per 100, \$12.50 per 1,000; Mrs. Lawson, \$1.50 per 100, \$12.50 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Genevieve Lord, \$1.25 per 100, \$10 per 1,000; Mrs. Joost, \$1.25 per 100, \$10 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Peru, \$1 per 100, \$9 per 1,000; White Cloud, \$1.25 per 100, \$10 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Mrs. Higinbotham, \$1 per 100, \$9 per 1,000.

Geo. Reinberg, 51 Wabash Ave., Chicago, Ill.

Carnation—Carnation cuttings. Boston Market, \$1.50 per 100, \$15 per 1,000; Mrs. Lawson, \$1.25 per 100, \$10 per 1,000; Stella, Harry Fenn, \$2 per 100, \$15 per 1,000; Roosevelt, Mrs. Ine, Mrs. Nelson, Triumph, \$1.50 per 100, \$12 per 1,000; Flora Hill, Guardian Angel, \$1 per 100, \$9 per 1,000.

J. A. Budlong, 37 Randolph St., Chicago.

Carnation—Victory to be disseminated, 1906, \$12 per 100, \$100 per 1,000, 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, \$6 per 100; Nelson Fisher, \$6 per 100; Mrs. Patten, \$6 per 100; Enchantress, \$3 per 100; Prosperity, \$2.50 per 100; The Belle, \$6 per 100; Lady Bountiful, \$6 per 100; Harry Fenn, \$2 per 100; Goethe, \$2 per 100; Genevieve Lord, \$1.50 per 100; Manley, \$3 per 100; Maceo, \$1.50 per 100; Cervera, \$1.50 per 100; Lawson, \$1.50 per 100. Five per cent discount for cash with order. Address all correspondence to

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Carnation—Carnation cuttings; well rooted, taken from selected stock, clean and healthy. Lawson, \$1.50 per 100, \$12.50 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Higinbotham, \$1.25 per 100, \$10 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Chicago, \$2 per 100, \$15 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; White Cloud, \$1.25 per 100, \$10 per 1,000; Her Majesty, \$1.50 per 100, \$12.50 per 1,000; Harlowarden, \$1.50 per 100, \$12.50 per 1,000.

Wietor Bros., 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted carnation cuttings. Enchantress, \$3 per 100, \$25 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Alpine Glow, \$2.50 per 100, \$20 per 1,000; Lawson, \$2 per 100, \$15 per 1,000; Nelson, \$2 per 100, \$15 per 1,000; Queen, \$2.50 per 100, \$20 per 1,000; Queen Louise, \$2 per 100, \$15 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Marion, \$2 per 100, \$15 per 1,000; Flamingo, \$6 per 100; Crusader, \$6 per 100; Crane, \$2 per 100, \$15 per 1,000. Mrs. Patten, \$6 per 100; Prosperity, \$2.50 per 100, \$20 per 1,000; Harlowarden, \$3 per 100, \$25 per 1,000.

The Leo Niessen Co., 1217 Arch St., Philadelphia, Pa.

Carnation—Red Sport (of Maceo) 12 for \$1.50, 25 for \$2.50, 50 for \$4.00, postpaid. By express \$6.00 per 100, \$50 per 1,000.

A. B. Davis & Son, Carnation Specialists, Purcellville, Va.

Carnation—New carnation William Penn, a seedling of Scott and McGowan. Price, \$10 per 100; 25 at 100 rates; \$75 per 1,000; 250 at 1,000 rates.

Frank L. Kohr, R. F. D. No. 3, Lancaster, Pa.

Carnation—Rooted carnation cuttings, White Lawson, 5,000 ready to be shipped, \$7 per 100, \$60 per 1,000; Lady Bountiful, \$7 per 100, \$60 per 1,000; Mrs. M. A. Patten, \$6 per 100, \$50 per 1,000; Nelson Fisher, \$7 per 100, \$60 per 1,000; Dahelm, \$5 per 100, \$50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Mrs. T. W. Lawson, \$2 per 100, \$18 per 1,000; Gen. Maceo, \$2 per 100, \$15 per 1,000; Morning Glory, \$2 per 100, \$15 per 1,000; Mrs. G. M. Bradt, \$3 per 100, \$25 per 1,000; Melba, \$1.50 per 100, \$12 per 1,000; Queen Louise, \$1.50 per 100, \$12 per 1,000. Grafted roses. Write for prices.

Wood Bros., Fishkill, N. Y.

Carnation—Carnation cuttings, Nelson Fisher, \$7 per 100, \$60 per 1,000; Mrs. M. A. Patten, \$6 per 100, \$50 per 1,000; Flamingo, \$6 per 100, \$50 per 1,000; Crusader, \$6 per 100, \$50 per 1,000; D. Whitney, \$5 per 100, \$40 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Harry Fenn, \$3 per 100, \$25 per 1,000; Manley, \$3 per 100, \$25 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Queen, \$3 per 100, \$25 per 1,000.

Backer & Co., Billerica, Mass.

Carnation—Rooted carnation cuttings now ready: Queen Louise, \$1 per 100, \$10 per 1,000; Flora Hill, \$1 per 100, \$10 per 1,000; Alba, \$1.40 per 100, \$12.50 per 1,000; Wolcott, \$1 per 100, \$10 per 1,000; Norway, \$1 per 100, \$10 per 1,000; Lillian Pond, \$1.40 per 100, \$12.50 per 1,000; Chicot, \$1.20 per 100, \$10 per 1,000; America, \$1 per 100, \$10 per 1,000; Mrs. P. Palmer, \$1 per 100, \$10 per 1,000; Estelle, \$1.40 per 100, \$12.50 per 1,000; Mrs. J. H. Manley, \$1.50 per 100, \$15 per 1,000; Apollo, \$1.50 per 100, \$15 per 1,000; Harlowarden, \$1.40 per 100, \$12.50 per 1,000; Gov. Roosevelt, \$1.20 per 100, \$10 per 1,000; Pink, Mrs. Thos. Lawson, \$1.40 per 100, \$12.50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Mrs. Joost, \$1 per 100, \$10 per 1,000; Success, \$1 per 100, \$10 per 1,000; Mermaid, \$1 per 100, \$10 per 1,000; Cressbrook, \$1 per 100, \$10 per 1,000; Pres. McKinley, \$1.40 per 100, \$12.50 per 1,000; Mrs. Theo. Roosevelt, \$1.40 per 100, \$12.50 per 1,000; Yellow: Golden Beauty, \$1.40 per 100, \$12.50 per 1,000; Eldorado, \$1 per 100, \$10 per 1,000. Variegated: Prosperity, \$1.40 per 100, \$12.50 per 1,000; Marshall Field, \$1.40 per 100, \$12.50 per 1,000; Stella, \$1.40 per 100, \$12.50 per 1,000; Armazindy, \$1 per 100, \$10 per 1,000; Viola Allen, \$1.20 per 100, \$11 per 1,000; Gaiety, \$1.20 per 100, \$11 per 1,000. G. H. Crane, scarlet, \$1 per 100; \$10 per 1,000. Special prices on large lots; unrooted plips, half price of above, 25 at 100 rates, 250 at 1,000 rates, express prepaid, cash or C. O. D., with privilege of examining.

Loomis Floral Co., Loomis, Cal.

Carnation—Strong rooted cuttings. N. Fisher, \$5 per 100; Indianapolis, \$4 per 100; Enchantress, \$2.50 per 100, \$24 per 1,000; B. Market, \$2 per 100, \$18 per 1,000; Estelle, \$2 per 100, \$18 per 1,000; Walcott, \$2 per 100, \$18 per 1,000; Lawson, \$1.50 per 100, \$14 per 1,000; Glacier, \$1.50 per 100, \$14 per 1,000; Prosperity, \$1.50 per 100, \$14 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Carnation—Carnation cuttings. Geo. A. Kuhl, Pekin, Ill.

Carnation—Carnations, rooted cuttings. Prices on application. The Gasser Company, Euclid Ave., Cleveland, O.

Carnation—Green carnations. Preparation for coloring carnations green. Harry D. Edwards, 527 York St., Newport, Ky.

Carnation—Carnation, William Penn, 10,000 cuttings; 25 rooted cuttings, \$2.50; \$10 per 100; \$75 per 1,000; 250 for \$18.75.

Frank L. Kohr, R. F. D. 3, Lancaster, Pa.

Carnation—Rooted carnation cuttings, Enchantress, Nelson Fisher, M. A. Patten, Wolcott, B. Market, White Cloud and F. Joost.

Valley View Greenhouses, C. G. Velle & Son, Marlborough, N. Y.

Carnation—Rooted cuttings ready now: Lady Bountiful, Phyllis, Chicago White, Robert Craig, White Lawson. Send for prices. Albatross, \$5 per 100, \$40 per 1,000; America, \$1.75 per 100, \$15 per 1,000; Boston Market, \$3 per 100, \$25 per 1,000; Cardinal, \$12 per 100, \$100 per 1,000; Crisis, new, \$12 per 100, \$100 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; Dahelm, \$6 per 100, \$50 per 1,000; Dorothy Whitney, \$5 per 100, \$40 per 1,000; Eclipse, Dorner's, \$12 per 100, \$100 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Estelle, \$3 per 100, \$25 per 1,000; Fiancee, new (Mar. 1), \$12 per 100, \$100 per 1,000; Flamingo, \$6 per 100, \$50 per 1,000; Flora Hill, \$1.75 per 100, \$15 per 1,000; Lord, \$1.75 per 100, \$15 per 1,000; G. H. Crane, \$2.50 per 100, \$20 per 1,000; Wolcott, \$2.50 per 100, \$20 per 1,000; Harlowarden, \$2.50 per 100, \$20 per 1,000; Indianapolis, \$5 per 100, \$40 per 1,000; Morning Glory, \$2 per 100, \$18 per 1,000; Lawson, \$3 per 100, \$25 per 1,000; Mrs. Joost, \$1.75 per 100, \$15 per 1,000; Mrs. Patten, \$5 per 100, \$50 per 1,000; Nelson Fisher, \$5 per 100, \$50 per 1,000; Prosperity, fancy, \$3 per 100, \$25 per 1,000; Queen Louise, \$1.75 per 100, \$15 per 1,000; Red Lawson, \$10 per 100, \$75 per 1,000; Richmond Gem, \$10 per 100, \$75 per 1,000; The Belle, \$6 per 100, \$50 per 1,000; The Marquis, \$1.75 per 100, \$15 per 1,000; Vesper, \$5 per 100, \$40 per 1,000; Variegated Lawson, \$12 per 100, \$100 per 1,000; White Cloud, \$1.75 per 100, \$15 per 1,000; White Swan, \$10 per 100, \$80 per 1,000.

Vaughan's Seed Store, Chicago; Greenhouses, Western Springs, Ill.

Carnation—Carnation cuttings. W. H. Watson, Lapeer, Mich.

Carnation—Carnations Manley, Mrs. P. Palmer, Mrs. Ine, Flamingo, Harlowarden, Earle, America, Enchantress, Mrs. Higinbotham, Mrs. Lawson, Mrs. Nelson, Guardian Angel, White Cloud, Queen Louise, Flora Hill, Prosperity, Armazindy, Her Majesty, shipped promptly from greenhouses Michael Winandy. Write for prices, etc.

Edwin C. Day, Receiver, 51 Wabash Ave., Chicago.

Carnation—Carnation Candace, \$2 per doz.; \$12 per 100; \$100 per 1,000. Dissemination 1906.

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Chrysanthemum — Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1905 describes them all. Nathan Smith & Son, Adrian, Mich.

Chrysanthemum — Rooted cuttings March 1 delivery, per 100: Wm. Duckham, \$2.50; Alice Byron, \$1.50; Marlon Newell, \$1.50; Col. Appleton, \$1.50; Omega, \$1.50.

The B. K. & B. Floral Co., Richmond, Ind.

Chrysanthemum — Rooted cuttings, Wm. Duckham, Ben Wells, F. A. Cobbold, Lella Filkins, \$3 per 100; Dr. Enguehard, \$4; Mrs. Thirkell, \$2. No order filled less than \$1.

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Chrysanthemum—Strong rooted cuttings chrysanthemums: Opah, Mme. Bergman, Willowbrook and October Sunshine.

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Chrysanthemum—Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references.

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Chrysanthemum—Geo. A. Kuhl, Pekin, Ill.

Chrysanthemum — Chrysanthemum novelties: Merstham Yellow, White Coombes, Emily Mlleham, Valerie Greenham, Mrs. H. A. Allen, and all other novelties, 50c each; \$5 per doz.; Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per doz. Send for list.

Charles H. Totty, Madison, N. J.

Cinerarias—Giant flowered, dwarf or semi-dwarf, for Easter. 3-in. ready for 5-in. pots, \$4 per 100. Cash. Shellroad Greenhouses, Grange P. O., Baltimore, Md.

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Coleus—Forty varieties, 70c per 100; \$6 per 1,000.
S. D. Brant, Clay Center, Kan.

Coleus—Rooted cuttings, Verschaffeltii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100, \$5 per 1,000. Golden Bedder (original) and Hero, 75c per 100, \$6 per 1,000. Discount of 10 per cent allowed on 10,000 or more.
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Cuphea—(Cigar plant), \$1.25 per 100; \$10 per 1,000.
C. Humfeld, Clay Center, Kan.

Cyclamen—Cyclamen splendens giganteum hybrids in bud and bloom, from 5-in. pots, \$2.50 per doz., \$20 per 100.
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Cyclamen—Once transplanted, ready March 1. \$2 per 100, \$18 per 1,000.
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Dahlia—Dahlia, Mrs. Winters, \$10 per 100.
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Daisies—Paris Daisy, glant, 2-in., 2½ c.
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Easter Lilies—Hinode Florist Co.,
Whitestone, L. I., N. Y.

Easter Stock—Azalea Madame Van der Cruyssen, Azalea mollis, deutzias, rhododendrons, *Primula veris*, etc., etc. Baby Rambler rose, 1 yr., field grown, for 4-inch pots, \$5 per doz., \$35 per 100.
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Easter Stock—Azalea mollis, 12-15-in., \$30 per 100, 15-18-in., \$40 per 100; *Deutzia gracilis*, 12-15-in., \$6 per 100; 15-18-in., \$8 per 100; *Deutzia Lemoinei*, 15-18-in., \$8 per 100; 18-24-in., \$10 per 100. Rhododendrons, best hybrids, 20-in., \$9 per doz.; 24-in., \$12 per doz.; 30-32-in., \$24 per doz. *Spiraea japonica*, \$3 per 100. *Spiraea nana compacta*, \$4 per 100.
The Storrs & Harrison Co., Painesville, Ohio.

Easter Stock—Easter lilies, hydrangeas, *Spiraea Gladstone*, rhododendrons, genistas.
R. Dreyer, Woodside, L. I., N. Y.

Euphorbia—*Euphorbia Crown of Thorns*, 2½-in., \$5 per 100.
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Iowa Seed Co., Des Moines, Ia.

Fern—*Nephrolepis Scottii*, 6-in., pot grown, ready for 8-in., \$15 per doz.; 7-in., pot grown, \$24 per doz.; 8-in., pot grown, \$36 per doz.
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Ferns, Etc.—Boston, Pierson and Scottii ferns.
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Ferns, Etc.—Boston ferns, for 5, 6, 7 and 8-in. pots at \$25, \$50, \$75 and \$100 per 100.
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Feverfew—(*Matricaria*) Little Gem, 2½-in. pots, \$2.50 per 100.
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Ficus—5 and 6-inch rubbers, 30c each.
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Geraniums—*Geranium Telegraph*, bedding out, conservatory or window; strong plants, 2½-in., \$15 per 100.
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Geraniums—Jean Vland, S. A. Nutt, Castellane, John Doyle and Perkins. Single and double Gen. Grant, La Favorite, 2-inch pots, \$2 per 100.
Geo. M. Emmans, Newton, N. J.

Geranium—*Geranium* rooted cuttings. Next delivery March 27. \$10 and \$12.50 per 1,000.
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Geranium—Mme. Sallerol, 1,000, strong, 2½-in., September struck, good enough for stock plants.
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Geranium—*Geranium William Languth*, 2½-in., \$4 per 100; *Lady Plymouth*, sweet-scented, variegated, 2½-in., \$5 per 100.
Iowa Seed Co., Des Moines, Ia.

Geraniums—25,000 geraniums, by express, \$2.50 per 100, 2½-in. pots; by mail, \$1.50 per 100, rooted cuttings.
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Heliotrope—*Heliotrope*, 2-in., \$2.50 per 100.
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Heliotrope—Rooted cuttings, \$1 per 100.
Byer Bros., Chambersburg, Pa.

Heliotrope—Rooted cuttings, 12 varieties, \$1 per 100; \$8 per 1,000.
S. D. Brant, Clay Center, Kan.

Hibiscus—*Hibiscus Peachblow*, 2½-in., \$3 per 100.
Iowa Seed Co., Des Moines, Ia.

Hollyhocks—Double field-grown, \$3 per 100.
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Geo. M. Emmans, Newton, N. J.

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Orchids—Orchids, per 100: *Cypripedium Insigne*, \$8; *Cypripedium callosum*, \$20; *Cypripedium Laurenceanum*, \$25; *Dendrobium formosum*, giganteum, \$9 per doz.; \$70 per 100; *Vanda Coerulea*, 10 to 12 lbs., \$15 per doz.; 12 to 15 lbs., \$22 per doz.
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Palms, Etc.—Palms, ferns and decorative plants.
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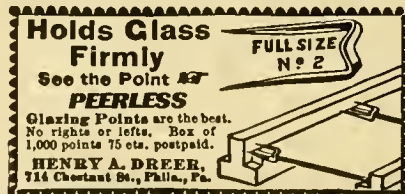
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Exhibition at Chicago about June 15. ARTHUR B. FEWKES, Newton Highlands, Mass., secretary.

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THE CARNATION.

Notes on Carnation Growing.

[Read before The Florists' Club of Philadelphia, Pa., February 9, 1905, by Edward A. Stroud.]

I have been asked to speak on the carnation and hardly knew why, being probably the youngest grower around Philadelphia. However, if my experience will be of interest to any of you I am pleased to give it, telling you of our methods, which do not differ, as far as I know from the general cultivation of the divine flower. Doubtless, after the rose, the carnation is the most useful of flowers, its keeping qualities and the low price for which it can be bought bringing it in contact with the greatest number of people. There has been some advancement made in the culture of the carnation, due to the introduction of the Lawson, by Peter Fisher, which, to my mind, marks the dividing line between the old and the new.

The carnation industry may be classed under three heads: First the growing of the flower for the public; second, the production for cuttings for the trade; and third, the raising of seedlings. With us it would be impossible to handle the three together and we think each grower should decide for himself which branch he and his place are best suited to and which will bring him the best results. We have taken up the cut flower production and our experience has been a practical one. As far as we can see there is no great secret connected with producing the flowers. We have tried to follow nature's laws, using common-sense, close attention to details, cleanliness and houses well ventilated.

One of the most essential points, undoubtedly, is to have good stock to start with, for if the young stock is unhealthy there is little hope of ever obtaining first-class blooms. We select our stock carefully, from flowering stems as much as possible. Of course on some of the new varieties we buy we are compelled to cut closer in order to get sufficient stock. We put in the sand first those that take the longest time to make plants such as Prosperity, Lawson, and Flamingo, following with those that grow more quickly. When rooted we pot them in 2-inch pots, then into 3-inch and if necessary in 4-inch. We take great care in watering, not

allowing the young plants to suffer at any time for want of it; this insures us a clean growth. From the propagating house we move them into the field or into the bench, the latter method being adopted by most of our modern growers.

Our slight experience with indoor culture has not been a decided success over field culture, and we think that in our climate, situated as we are a compromise between the two is much the best. We have adopted the plan of early propagating, planting in the field as soon as the weather permits and lifting the middle of July. These measures have given us the best results, although we feel that, to make a fair test, planting in the house should be made the same time as in the field and not early in June as we heretofore have done. The objection to indoor culture might be the throwing out of our plants before Decoration day and the poor prices obtainable during the chrysanthemum season. We throw out our old plants in July, take out the soil, white-wash the benches and then give a thorough fumigation after which the soil is replaced as quickly as possible, extra labor being hired for this purpose. Last year our houses (of which there are three, each 30x308 feet) were emptied July 17 and planted with new stock August 3. This we consider very important as it would be very poor economy to let the work drag along.

We make a compost heap every fall, consisting of one part cow manure to three parts of soil, adding some air-slaked lime to sweeten things up a bit. We turn the pile once in the spring and again before it is wheeled into the houses. There is one point in regard to soil which we consider very important, that we term its mechanical condition, which means a soil which will drain water freely, and at the same time distribute food to the roots; this is particularly important after planting from the field.

The bewildering subject of stem-rot and its causes is, to my mind, due to impaired root action and a drowning process of watering. This can occur in the propagating bench, the pot, the flat or the field, and a check of some sort is generally responsible for it.

We plant carefully, firming the ground around each plant and resort to frequent syringing, watering plants as little as possible while they are getting

established. During planting we shade the houses lightly with cloth, removing it as soon as plants have taken with the soil. Then the daily routine of staking, disbudding and watering begins and we are under way.

The question of what varieties to grow is always an interesting one, the tendency nowadays being after something new, and it is hard to resist the temptation to buy new varieties on seeing the exhibitions at our flower shows. It is well to be progressive, but we would advise the man with limited



The Late P. T. Huddart.

(See obituary, page 283.)

glass not to attempt too many. Three or four, in the various colors, which require the same treatment is best.

It takes some time to become acquainted with the carnation and the special care it likes, and we do not pass judgment without giving each variety a fair trial, which cannot always be accomplished in a year. The competition in carnations is becoming stronger every day. The people no longer ask for a white, pink or red, but mention the name of the bloom desired, and for this reason we think it is a good thing to tag each with its name when it goes to market. In this way the public becomes acquainted with the different varieties and we find out what is most popular. By keeping careful records we find that those that produce the greatest number of flowers are not necessarily the most profitable.

Our experience proves that it pays to work together with the commission man, keeping him posted as to what we will have and when we will ship. This gives him an opportunity to make sales which he might otherwise lose. We advise frequent visits to the wholesaler, not necessarily to see the proprietor, but to examine goods there, see how they are keeping, and compare with the product of other growers.

Valuable lessons may be learned in this way. It is hardly necessary to call your attention to careful bunching and packing. In conclusion would quote Mr. Fred Lemon when he said at the carnation convention, "If you wish to succeed nothing is too much trouble."

California Carnation Cuttings.

ED. AMERICAN FLORIST:—

You request experience with carnation cuttings from California. I received 1,000 about February 1 and I have lost three-fourths of them. I find they will not answer for this climate. I received 3,000 from Chicago and they are doing splendidly. They were all rooted cuttings. I do not think carnation cuttings from California will do anywhere east; the soil is different and so is the climate. I took the best of care of them, but all to no good. I see, however, that others speak well of them.

G. PERRY MAHOOD,
With H. O. Hannah, Sherman, Tex.

Huntington, Ind., Carnation Exhibition.

The annual carnation exhibition of the Huntington Horticultural and Agricultural Society took place February 21 in the court room, Huntington, Ind. There was a very fine exhibit and a large attendance. In the competitive classes awards were made as follows: For best twenty-five Lawson pink, F. Boulon & Son, first, with Lawson; Walter Shaw, certificate for Lawson. For best light pink, Robt. T. Hallock, first with Enchantress; F. Boulon & Son, second with Enchantress; J. N. May, third with Phyllis. Best white, F. R. Pierson, first with White Lawson; H. T. & A. H. Funnell, second with Queen Louise; J. N. May, third, with The Bride. Best scarlet, F. R. Pierson, first for Flamingo; J. D. Cockcroft, second with Flamingo. Best crimson, F. R. Pierson, first with Daheim; H. T. & A. H. Funnell, second with Harlowarden. Any other variety, Thomas Eccles, first for Prosperity; F. Boulon & Son, second for Mrs. M. A. Patten; F. R. Pierson, third for Variegated Lawson.

For roses Walter Shaw took first for twelve Bridesmaid and first for twelve Liberty. For 100 double violets, H. T. & A. H. Funnell took first and Wm. O'Hara second. For 100 single violets F. Boulon & Son took first and Walter Shaw second.

Certificates were awarded to the Cottage Gardens Company for new white carnation, Lient. Peary, and for Robt. Craig, the new scarlet. Also specials for Octocon, Ethel Ward and Enchantress. A certificate was awarded to Jas. D. Cockcroft for seedling Crimson, an immense flower of fine form on a good stem. A vase of White Lawson, not for competition, was exhibited by Charles H. Allen. This attracted much notice.

The committee very much regretted that, probably through an error, the Cottage Gardens vases contained but twenty flowers instead of twenty-five as called for by the schedule and so were disqualified from competing. They were very fine specimens and made a table not soon to be forgotten. It was also regretted that John N. May's exhibit suffered a little in shipping, so the Bride did not show its full beauty.

Other exhibitors who received awards were, Fred Keiffer, for mignonette; Geo. Ashworth, for roses and carnations; Robt. T. Hallock, for daffodils; F. Boulon & Son, certificate for tree form violet plants; William O'Hara for pet plants; H. T. & A. H. Funnell for phoenix and Anna Foster fern.

The committee were gratified by the generous response to the invitation to exhibit by outside growers.

A. H. FUNNELL, Sec'y.

THE ROSE.

Repotting.

When repotting the young rose stock, which is usually in order at this time, the soil should be prepared practically the same as for potting off cuttings. That is, using a stiff, fibrous loam, mixing about one part well rotted cow or sheep manure to four parts soil. If the sheep manure is extra strong, one to five parts soil will answer. The two manures can be mixed with good results.

The soil should be free of lumps, screening it fine enough to pack evenly around the ball of the plant, which should be potted firmly. A little of the soil at the top of the ball can be removed at the edge. The growth on the young plants should become well ripened before shifting, but the eyes should not be started. Plants in this condition when knocked out of the pots will be found to have firm, white roots and should be potted at once so as to have the next growth get the full benefit of the fresh soil. This method of potting can be carried out until the plants are ready for benching.

In shifting over root stock from 2-inch pots, shift to a 3-inch. Plants from 2½-inch will also take a 3-inch pot better than a 3½-inch. Grafted stock from 2½-inch pots should be shifted to 3½-inch, as the pots fill with roots much faster than own root plants. A little sand to lighten the soil should be added, as they thrive in a more open soil. American Beauty roses require the heaviest of soil and from 2½-inch pots should be shifted to 3½-inch. In using 3½-inch pots or larger, drainage should be placed in the pots, not thrown in carelessly, but placed so as



Herman A. Hart.

to form a bridge over the hole. Broken pots in pieces about the size of a quarter of a dollar is a good size to use. Give the young stock plenty of room; crowded plants become drawn up, lose their foliage and often get too soft to withstand mildew, black spot, etc. Give them the full benefit of the sun. Place

the pots level but do not plunge them below the surface of the ashes on the benches.

Syringe on bright days, making a fine spray with ordinary pressure, using the hose so as not to upset the pots. After shifting and watering thoroughly the plants should be run a little on the dry side until they start nicely. This will greatly encourage root action. A plant may become dry occasionally without injury, but never allow them to stay any length of time in a dry condition. In a few more weeks they

WITH THE GROWERS

George Van Horn, Springfield, Ill.

The capital city of Illinois, Springfield, boasts of a rapidly growing florists' colony, now containing fifteen establishments, and one of the important places is that of George Van Horn, the "Capitol Greenhouses." The pioneer florist of Springfield, the late Louis Unverzagt, founded this business, which Mr. Van Horn took over some time

with him. He has been signally successful in growing it true to type and has had large sales at good prices, several of his choice specimen plants attracting much attention at the last state fair. But he says: "Nothing will ever supplant the Boston fern." He has a large stock of this old favorite and also is growing a quantity of the Scott variety, with which he is having success. It does not produce many runners, however. Geraniums and other bedding plants are an important item in his trade. B.



HERMAN A. HART'S ESTABLISHMENT, CLEVELAND, O.

will require watering perhaps twice a day, early in the morning as soon as the sun strikes them, and again in the middle of the day, which will give the foliage a chance to dry off before night. Do not forget to go over and water the dry plants before giving them a general watering. This is really the only way to keep the watering under perfect control and should never be neglected.

Fumigating should be kept up as long as there is any chance of the aphids getting in their work. Sulphur should be applied by painting the pipes as long as the houses require heat from the boiler; during the rest of the season it can be dusted over the plants, using a bellows or a machine for this purpose. Plants that are kept free from mildew until benched or planted will start off nicely and will keep clean as a rule throughout the summer. Keep the plants carefully weeded and disbudded. If the soil becomes baked, leaving the sides of the pots, as it often does, loosen the soil at the surface a little with a label or small stick sharpened like a knife, great care being taken not to stir the soil deep enough to disturb the roots; they should be a little on the dry side to be in a condition for stirring.

The directions for treatment of the young stock as mentioned in this article will apply to the shifting they will require from the present time until they are planted. The soil should be mixed in the same proportion, perhaps using it a little coarser when using a larger pot, otherwise the treatment is practically the same. E.

before Mr. Unverzagt's death, after working as foreman for the veteran florist many years. There are 20,000 feet of glass in the plant which stands on Capitol avenue, two blocks from the state house, one of the most desirable locations in Springfield.

Mr. Van Horn does a retail business almost entirely and grows his own flowers to a large extent. He has nine greenhouses, two of which are devoted to growing carnations, one to roses, two to ferns, one to palms and the rest to bedding and general stock. His palm house is his pride, magnificent specimens of commercial varieties and many rare sorts being grown in it. His favorite carnations are Lawson and Enchantress. Bride, Bridesmaid and Golden Gate roses constitute the majority of his rose stock. He has a large number of Pierson ferns and it is a favorite

Herman A. Hart, Cleveland, O.

The subject of our sketch is one of Cleveland's pioneer florists. Born in Deunnin, Germany, he went to work at an early age in the botanic gardens in Greisewald where he worked steadily for six years acquiring a thorough knowledge of the business he has followed for the past thirty-three years in the land of his adoption. He came to this country in 1872 and settled in Lakewood, O., where he managed the Nicholson estate until 1877, when he purchased his present place of business, which comprises three acres of city property. Here he began in a modest way and has gradually built up a substantial business. His liberal manner and kindly disposition winning for him a host of friends in and out of the trade.

A new range was built last year, as shown in the accompanying illustration. The old range where the office is located will be torn down soon, the office enlarged and a new lot of houses built. His business is entirely retail and the 50,000 feet of glass is insufficient to supply the demand.

NEW BEDFORD, MASS.—The annual dinner of the New Bedford Horticultural Society was held February 23 at the Mansion House. Among the visitors were Thomas J. Grey and J. K. M. L. Farquhar, of Boston, Mass. Mr. Farquhar made an interesting address. William F. Turner, of the entertainment committee, announced that Edward Howe Forbush, ornithologist of the state board of agriculture, would give an illustrated address on "Birds in Their Relation to Agriculture," March 14.



HERMAN A. HART'S ESTABLISHMENT, CLEVELAND, O.

WARREN, O.—Miss Lillian Dean has been elected president of the Portage County Horticultural Society.

CHRYSANTHEMUMS

Marquis de Pins' Seedlings.

We were very much interested in the article by "P" in the AMERICAN FLORIST of March 4, and hasten to respond to his inquiry concerning the action of the Marquis de Pins' varieties in this country. An appreciation of the conditions confronting the

following: Souvenir de la Comtesse Reille, blooms of which were in the winning collections at the World's Fair Flower Show. This variety we think can be grown as large as F. S. Vallis and is of a charming color. Germaine and Poupoule, twins, except in color, are certainly susceptible to high culture, with possibilities of immense size and beauty, but need a long season of growth. Mme. de la Verteville was a massive flower even as grown last

Vierge Mounbrunoise is probably the finest creamy white chrysanthemum for exhibition we have ever seen. It is of rather a soft texture and as grown last year with heavy nitrogen feeding showed a strong inclination to burn, but is not so bad in this way as Hero of Mafeking and many others among the English sorts. Proper feeding will undoubtedly overcome the difficulty. Baron Rene Reille, Belle Gasconne, Chas. Bacque, and Mme. de la Motte St. Pierre all show great promise as commercial cut flower varieties in the United States. There were no counterfeits in the set. This was very pleasing to us because so rare in imported sets. We certainly consider the Pins varieties worthy of extensive trial and believe that several of them will "make good."

FRED H. LEMON.



NEW TRANSPLANTING TRUCK.

(Large palm in transportation.)

importer of chrysanthemums into the United States is necessary to a proper understanding of the opinion herein expressed.

In the first place it is a long journey. Chrysanthemums either from France or England are in the boxes ten days to two weeks before they reach our shores, and after they arrive in this country they still have a longer trip before reaching our establishment than from Paris to London. Shipments from England or France are scarcely ever received before the middle of March, and frequently, as in this case, toward the end of April.

It is necessary after this date to nurse the stock back into health and obtain cuttings for the fall blooming. Thus it will be seen that the first year's trial of imported chrysanthemums is apt to result in decisions which are not conclusive, to say the least. Especially has this been true with varieties from England. Practically all of the leading exhibition varieties of England have been imported into this country and tested and results are nearly always disappointing, unless it has been possible to give a long season of growth with the consequent possibility of obtaining an early bud.

The Marquis de Pins' set was received the latest of all the importations last spring, yet we consider that they made a fine record. A more robust and healthy lot of varieties it would be impossible to find, and we have never had a better average showing in the first year of importation.

Among the sorts showing merit from a strictly exhibition standpoint are the

year, though somewhat lacking in petalage, which fault should be overcome with an earlier bud. Odette was pronounced the finest novelty of the year by many visitors to our greenhouses. This variety and the two previously mentioned were past their prime at the time of the exhibition.

New Transplanting Truck.

This is an entirely new departure in the line of transplanting trucks as the illustrations will show. It has a flat bed having one end tapered to an edge, anti-friction rollers having their journals on the bed below the upper surface thereof, a pair of wheels on which the truck is supported intermediate, its ends permitting the truck to be tilted so that the uppermost plane of the bed may meet the ground, and a windlass mounted at that end of the bed opposite the tapered end and in close proximity to the surface of the bed, effecting a pull in a direction approximately parallel to the upper plane of the bed, a band adapted to pass around the ball of the plant to be transplanted, and winding connections between the ends of the band and the windlass.

This truck has been in operation for almost a year now, and has proved in every way satisfactory in transplanting trees and evergreens, for moving large palms in tubs, tree stumps, and heavy stones; in fact the truck can be used to move anything that is too heavy or too large for men to carry; doing the work better, quicker, and with less men



NEW TRANSPLANTING TRUCK.

(Method of loading and unloading tree.)

than by any of the older methods. In transplanting, the tree is dug around in the usual way, and the ball undermined as much as possible, then the side of the trench is cut away the width of the truck so as to form a runway for the truck to get under the ball; the tapered end of the truck is then placed under the ball, and the belt that encircles the ball put in place; this belt is then attached to a chain from the

MARKET GARDENS.

It is said they are running short of cabbages in Germany and importing them from England.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 4 were as follows:

pound. Chicago, mushrooms, 25 cents to 40 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Buffalo, cucumbers, 60 cents to \$1 per dozen. Pittsburg, cucumbers, \$1.75 to \$2.25 per dozen. Cleveland, mushrooms, 40 cents to 50 cents per pound. Detroit, cucumbers, \$1.60 per dozen; lettuce, 9 cents to 10 cents per pound. St. Louis, cucumbers, \$1.50 to \$1.75 per dozen. Denver, cucumbers, \$2.50 to \$3 per dozen. Cincinnati, cucumbers, \$1.75 per dozen.

The Lewis and Clark Exposition.

GRAND ROSE SHOW TO BE HELD.

One of the largest and most beautiful rose shows ever seen, will be held at the Lewis and Clark Exposition, under the auspices of the Portland Rose Society. Thousands of roses will be distributed to visitors. An Oregon rose day will also be held during the exposition, at which the society will award prizes for the most complete exhibits. Prominent florists and growers from all over the country will be invited to participate. The society will not hold a rose show in Portland this summer, but will give its place to the exhibition at the centennial.

The booth of the Portland Rose Society will be located in the Oregon state building, and will be maintained until the exposition closes. The thousands of roses that are to be given away will be furnished by members of the society. The ladies of the society are determined to secure for Portland the enviable reputation of being the most beautiful city in the world, and in this manner it is hoped to advertise Portland for its natural beauty, and to express to outsiders the friendly feeling that is held for visitors by residents of the city.

Illinois Floriculture Bill.

The following telegram was received too late for insertion in our issue of last week:

Springfield, Ill., March 2.—Phil. J. Hauswirth, George Asmus, W. N. Rudd,



NEW TRANSPLANTING TRUCK.

(Loading a large palm.)

windlass, and the whole is wound up on the truck; as soon as the tree is pulled far enough up on the truck, the truck balances by the tree resting over the wheels and then assumes a level position, when it can be pulled out and transported to the hole already prepared for the reception of the tree.

To unload, the operation is just reversed, and the tree is allowed to slide slowly into its place.

With this truck a tree can be moved without fear of loss, if ordinary care is used to see that a proper proportion of roots are saved. The inventor moved some very valuable trees on this truck last spring that came through the past summer so successfully that no one could tell that they had been recently moved; they were moved with such good balls that no pruning or shortening of the wood was required. The truck can be made of various sizes to answer all purposes from moving small shrubs to large trees. In the larger sizes the truck has four wheels instead of two as in the one illustrated.

With this truck a tree is moved in an upright position, and is moved and planted without breaking the ball, and with such ease that few men are required, and the work being done very rapidly the roots that are exposed have little chance to dry up.

The truck was invented by Peter Bisset, of Washington, D. C., and is fully protected by patent rights.

New York, cucumbers, No. 1, \$1.25 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 50 cents to 75 cents per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, \$2 to \$3 per 100; tomatoes, 10 cents to 25 cents per pound; rhubarb, \$2.50 to \$4.50 per 100 bunches. Kansas City, mushrooms, 35 cents per



NEW TRANSPLANTING TRUCK.

(Tree in transportation.)

CHEYENNE, WYO.—C. H. Garwood is planning to open a branch store in Rawlins.

Phil. I. Foley, Peter Reinberg and James Hartshorne, who came to Springfield to argue for the floriculture bill before the house and senate, returned home to-day, having made a most favorable impression on the legislators. Mr. Rudd's speech before the house committee was especially convincing. Owing to the policy of economy, however, it is not likely the bill will pass in its present form. The inclination is to make it an amendment to the general agricultural college appropriation bill and cut the amount allowed down to \$5,000 a year.

which contains 1,000,000 bricks. Around the great court are two balconies rising one above the other supported by arched columns. From these balconies the many offices in the building are entered. In the center of the court is a fountain octagon in form, with a triple arch of lava rock in its center, and eight urns around its edge, for flowering plants.

There were used in the decorations of the building four carloads of southern smilax and other greens from the south; near 1,000 cocoanut palm leaves, 18 to 25 feet in length, from Porto Rico;

The reception room of the vice-president and the supper room were also beautifully decorated with green, and choice cut flowers. The scheme of decoration was gold and green with very liberal dashes of brighter colors. A heavy border of green ran around the front of both balconies. Over each balcony column in the spring of the arch was a plaque composed of flowering azaleas and daffodils and magnolia leaves, and gold tinted electric globes were liberally distributed throughout. On the second balcony the front had a lighter border of green; wreaths of green encircled the groups of gold tinted electric globes and young cedars of uniform height were placed over each column.

On each side of the president's reviewing stand, at the west end of the hall, were columns of the immense Porto Rico palm leaves skilfully worked together so as to produce the pleasing illusion of real palm trees.

At the east end, the orchestra was flanked by banks of large palms in tubs; a number of these were so large that a derrick was necessary to hoist them into place. The orchestra screen was decorated with bougainvilleas. The interior of the fountain was lined with smilax, the lava arches decorated with drooping ferns and each of the eight urns were filled with *Dracæna indivisa*, genista and spiræas and asparagus.

To General Wilson, his personal representative Major Bell, Captain Archer and Mr. Brooks of the Pension building and J. H. Small & Sons, the decorators, the writer extends hearty thanks for courtesies received.

S. E.



PENSION BUILDING, SCENE OF INAUGURAL BALL, WASHINGTON.

THE RETAIL TRADE

Inaugural Ballroom Decorations.

The decorations in the great hall or court of the U. S. Pension building, for the ball, a leading feature of the festivities incidental to the inauguration of Theodore Roosevelt and Charles W. Fairbanks as president and vice-president, were in conception and execution, on a scale commensurate with the greatness of the event which they honored and worthy to adorn the noble architecture of the Pension building. It has been well said that the hall must be viewed as a whole for a full appreciation of the effect which has been aimed at and achieved. For beautiful as are the individual decorations, they are all but the part of the general plan, that can be best described as a Venetian garden under the blue arching sky of the tropics and flooded with a mild yet resistless radiance that even tropic moonlight is powerless to equal. This happy result was accomplished by an exceptionally able inaugural committee of which Gen. John M. Wilson was head; by a sub-committee on decorations composed of practical men with fine artistic tastes headed by James Rush Marshall, ably assisted by Victor Mindeleff, and by the decorative ability of J. H. Small, Jr., of J. H. Small & Sons, the floral decorators.

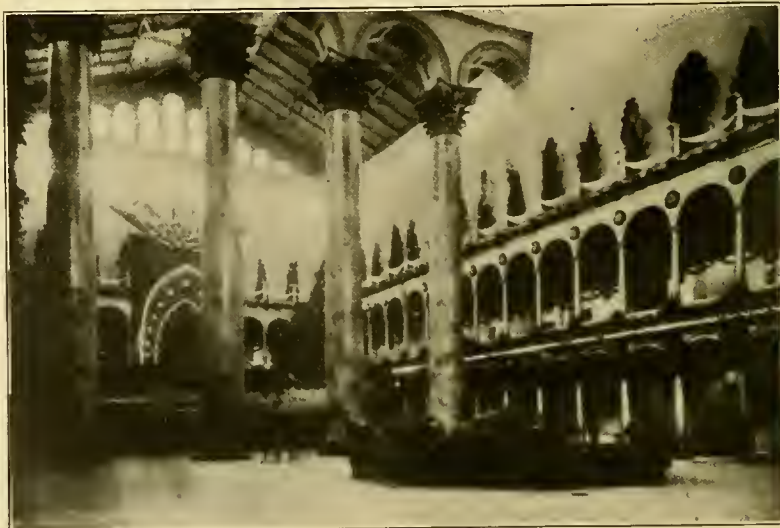
A few figures are necessary as a prelude to a correct explanation of the magnitude of this work. The exterior length of the Pension building is 200x400 feet; interior length 316 feet; width 116 feet; height 159 feet. The roof is supported by eight enormous columns, each 89 feet in height, and each one of

5,000 yards of laurel roping; 500 laurel wreaths; 50 Roman wreaths; 500 native cedars; 2,000 American Beauty roses; 3,000 red, white and pink roses of other varieties; 500 azaleas; 300 genistas and about 100 large bougainvilleas. A great amount of other stock was used that consisted of ferns and other potted plants for the hanging baskets, a large number of which were suspended from the balconies, and spiræas and dracænas for the fountain urns. An important feature was the display of orchids and American Beauty roses in the president's reception room.

St. Patrick's Day Luncheon Decoration.

Here is one that was recommended by a prominent paper last year:

For this St. Patrick's day luncheon decorate the table with a tall harp in the center, made of vines and bedded in roses. Put small green flags among the candies, olives and nuts. Use green candles, with shades decorated in shamrocks. Use shamrock and four-leaf clovers, made of cream water color paper for place cards, tying them with green ribbon and painting the names of guest and hostess in white. For souvenirs get bonbon boxes, made like Irish potatoes, fill with green candies and



INAUGURAL RECEPTION DECORATIONS AT WASHINGTON.

(Orchestra Stand and Section of Balcony.)

tie with satin ribbon. Serve an imitation salad of green tissue paper, in each leaf of which wrap a familiar quotation from Irish poetry. One can find many of these in Moore. Request the guests to guess the poem from which the quotation is taken. Serve the liquid refreshments in green glasses and top off with green chartreuse or green mint.

New York.

MARKET GENERALLY DULL.

There is no tone to the market whatever. The business of the past two weeks has been bad but is now lighter and without bottom. Arrivals are heavy, and as a consequence ice boxes are crammed. Buyers for the most part are dictatorial, and this term does not exclude many of those prominent in retail circles. Arrivals are much too heavy and there is an entire lack of balance. Lent is here, and the commission men are face to face with an annual problem. The solution is more or less with the retail trade, and experience proves that the Lenten period is not the bugbear it formerly was. The consumer in society circles may go into retirement for a while, but consumption from other classes will assert itself, and it is not expected that the volume of business will be curtailed to any extent. The demand for roses is not so strong as it was a week ago. American Beauty roses are dragging at top figures, and prime stock does not command premium prices. Bride and Bridesmaid are extremely plentiful, and of good quality, but it is only re-selected specials that bring top prices, and sales are light at that. The ordinary run of specials is not bringing more than ten cents. Carnations continue in heavy supply, and only blooms out of the ordinary bring top prices. Enchantress is still going off at low figures, and Prosperity is not holding values. Bulbous stock is very plentiful, and, on the whole, moves fairly well, but with no advance in prices. Lily of the valley is to be had in abundance, and extra selected stock brings little more than quoted prices. Smilax and asparagus is moving well at prices within the range quoted, but the quality in general is not all that could be desired. Violets are selling better, but prices have receded owing to the great influx of stock. The congestion experienced for some time in this product is practically ended, and stocks clean up pretty well every day.

Market, March 8.—The market is extremely dull, bad weather, elevated and subway railroad employees' strike and opening of the Lenten season all contributing to minimize business.

NOTES.

Ford Brothers have taken the premises 48 W. Twenty-eighth street and will move from their Thirtieth street quarters about April 1. The firm has been hampered for want of room for a long time, and the new premises will give them a much needed relief. A mammoth ice box is now being installed in the new premises.

Twenty-eighth street is now the center of rumor in regard to new comers. A prominent Thirtieth street dealer is expected to take quarters in present vacated premises, and other quarters already fitted for the florist's business may be in the market any day.

Robert Kift will be the essayist at the Florists' Club meeting next Mon-



INAUGURAL RECEPTION DECORATIONS AT WASHINGTON.

(The President's Reception Stand.)

day evening. His subject will be "The Rose in Decorative Art."

Flowering plants of the Crimson Rambler rose, genistas and rhododendrons now adorn the windows of prominent florists.

Edward C. Horan was handling peonies this week.

Chicago.

THE MARKET.

The week has developed but little change in the wholesale market. Shipping trade continues fair but the demand is far short of the daily receipts of stock, with the possible exception of the better grades of tea roses and American Beauty. Prices have taken a slight drop in roses, owing to the increased supplies. Carnations are among the most plentiful of the staples and some remarkably low figures are ruling for fairly good stock. White has been in demand for local funeral work. Bulbous stock is of high class quality, but there is so much of it that it becomes a nuisance at times. Spring and Easter stock is appearing

and indications are that the quality of everything in this line will be of the best. It is difficult to hold back the quick growing bulbous flowers, and Easter coming so late this year the chances are that there will not be a heavy oversupply at that time. Calla and Harrisii lilies are being cut by local growers in profusion and the demand keeps about on a par with the supply. Violets are down in price, although they are generally of good quality. The week has been spasmodic, some days fairly brisk, others lagging woefully. Southern shipments Saturday helped to clean up the week's supplies in good shape. Local retail trade has been indifferent, the advent of Lent making itself felt.

NOTES.

The Howe & Taylor Manufacturing Company, makers of wire designs, is a new enterprise which has established itself in the Flower Growers' Market. A general line of wire work will be handled. The partners have had long experience in the business, their main offices and factory being located at 140

W. Lake street. John W. Howe, Jr., is general manager and Julius Taylor, secretary and treasurer.

Among the recent sales of Kroeschell Brothers Company are boilers to the following growers: Jacob Phillips, Rogers Park, Ill.; Frank Oechslin, Chicago; Gelvin & Son, Sedalia, Mo.; J. Von der Linden, Rhinebeck, N. Y.; J. D. Cockcroft, Northport, L. I.; George Mathews, Great Neck, N. Y.; Grant Newport, Cedar Rapids, Ia.

The Illinois Good Roads Commission has issued its report, from which some information useful to extensive growers may be obtained, especially those who have long hauls of heavy loads on bad roads in rural districts. Ask your representative at Springfield to send you a copy.

Sinner Brothers have their range in good shape for the spring and are now on with good crops of Bride and Bridesmaid roses of good class. They will improve their place this season, replacing many old benches with new ones.

It is not everyone who is nowadays fortunate enough to have plenty of Liberty roses. Bassett & Washburn, however, have been cutting heavily of this prime favorite and there are always more than enough willing takers.

L. Baumann & Company have just received a large shipment of metallic designs and the new rusens reeds. Ruscus is a natural spray resembling a small leaved smilax, preserved in its natural condition.

N. J. Wieter, besides his regular office duties, has been busy this week with the grand spring bazaar given by the St. James Church on the Ridge. He is one of the active workers and reports large receipts.

George Baldwin, Oak Park, lost his brother who had but lately arrived from England. He died of typhoid fever. His little daughter is also seriously ill with pneumonia.

The sympathy of the trade goes out to John Pierson, manager of the George Wittbold Company's North Clark street store, whose wife died March 3.

The George Wittbold Company has two new houses under way at the Edgebrook range, the A. Dietsch Company furnishing the lumber.

W. N. Rudd has strong hopes for the floriculture bill now before the legislature.

The Chicago Daily Tribune is making a feature of John Thorpe's gardening hints.

Visitors this week were A. Meyer, Jr., superintendent of city parks, St. Louis; George F. Hartung, Sandusky, O.

Philadelphia.

DEMAND CONTINUES GOOD.

Business has been much better, the demand for last week, the final or wind-up of the social season keeping the boys moving. The stock of all kinds coming in appears to meet a ready demand and there is little if any accumulation. American Beauty roses are still scarce and prices of a week ago prevail; \$7.50 being the price for the specials. Carnations are fine and a shade lower for some colors. Violets are moving fairly well at 50 to 60 cents per 100 for the doubles and 25 to 50 cents for the singles. Gardenias sold well the past week; their use is becoming much more general. Such stocks as are coming in now would have com-

pletely stalled the market two years ago. Some very pretty plants in pots with quantities of buds and several open flowers are now offered by the growers and find much favor with the public. The stores are now gay with a large assortment of blooming plants, there being samples of almost all the Easter stock except roses.

FLORISTS' CLUB.

The March meeting of the Florists' Club was very interesting. P. J. Lynch's paper on "Some Notes on the Newer Roses" was a very valuable addition to the literature on the subject and full of correct information, the result of Mr. Lynch's long experience in handling the newer introductions. The large attendance present were much disappointed in the display of new varieties which were notable by their absence, but letters from a number of growers read by the secretary showed that all were now busy getting up stock and had nothing to exhibit at this time. Myers & Samtman exhibited a new pink seedling, a cross between American Beauty and Safrano which looks to have a future. It was a large flower, color of Testout with fine stems and foliage. The next meeting of the club will have the merits of hard and soft coal up for consideration and Charles D. Ball will present facts and figures to prove that one kind is much more advantageous than the other. A concert and musicale for the benefit of the club will be held on March 20 at Griffith hall, 1420 Chestnut street, for which has been secured the best talent in the city. Get your tickets early for the modest price of 75 cents. The programme will be first class in every respect.

TRADE NEWS.

At W. K. Harris' they are especially pleased with the progress they have made with the express companies in the safe delivery of goods for out of town points. Last week a large shipment to Washington reached there exactly on time and on arrival the company telephoned the consignee to see in what part of the city they would like them delivered. This close attention to the interests of the shipper Mr. Harris claims is brought about by a heart to heart talk of the needs and necessities of the business they were handling. By his arrangement a note new goes with each shipment so that all agents who handle the goods are held responsible and take a personal interest in seeing to their prompt and careful delivery.

F. Supoit, at Paoli, is sending in some nice lilac which moves quickly. Water cress is also handled largely by this firm, their output being some thousands of bunches daily. The orders for one large hotel alone, range from 500 to 1,000 bunches per day.

With the return of spring our sick are on the mend; W. K. Harris is now able to sit up. Mr. Lonsdale has returned to the field of his labors and Robert Craig who has been confined to the house with the grip is now about again.

Robert Craig & Son are sending in some fine Easter lilies. Their general Easter stock is coming on fine, the genistas and bougainvilleas being top notchers.

Visitors in town: H. Bunyard, representing A. T. Boddington, and Wm. Satter of Elbhinger & Van Groos, of Boskoop, Holland. K.

Baltimore.

THE MARKET.

There are signs, only signs, of returning spring. There is more sunshine, yet within the week the mercury on two successive nights went down to 12° and 13°; and on Wednesday, when March came in like a sullen, ill-tempered lion, there was a snow storm which, coming a day or two later, would have made as miserable an inauguration day as were the melancholy ones of Cleveland and Harrison. It was the thirty-seventh day of the winter on which snow has fallen. The month of February has been one of the coldest known here since meteorological records have been kept. The normal mean for February is 35°, but this year it registered very close to 27°. It goes without saying, that with fewer flowers and bigger coal bills excessive profits will puff up with pride very few gardeners this year. The influence on social entertainments, too, has been depressing. And now Lent begins, which puts a quietus on big festivities, though smaller affairs, teas, card parties, and the like are more numerous than before the so-called season of penitential observance. A marked decreased demand for flowers for church decoration is felt till Easter, but Lenten dullness hardly exists as in years gone by. The cut flower trade was moderately active only last week, and towards its end there was an overstock of carnations. American Beauty roses were not attainable, and to fill one or two moderate orders the stores had to appeal strenuously to New York, Philadelphia and Washington. Greens also are very scarce.

NOTES OF THE TRADE.

There were two notable dinner decorations during the week. The Feasts had an order for another dinner given at the Belvedere for women and men by Oscar G. Murray, president of the Baltimore & Ohio Railroad Company, who is distinguishing himself this winter as the giver of strikingly handsome dinners. At this one there were magnificent effects produced by myriads of electric lights, flowery garlands, splashing fountains, and the sparkle and gleam of crystal and silver. On Thursday evening, Wm. J. Halliday gave his personal supervision to a striking table embellishment for a dinner given by the governor of the state to Captain Brownson, the superintendent of the U. S. Naval Academy at Annapolis, who is about retiring from that post and who will be promoted to be admiral and given command of a squadron. The main table decoration had reference to this, it consisting of a floral man-of-war, an armored cruiser carrying an admiral's flag, floating at anchor on a silvery lake and surrounded by embankments of scenery, etc.

John Cook and another rose grower made a pilgrimage last week to Alexandria, Va., to see the new French red rose Etoile de France at Mr. Loose's. Unfortunately there were only a few buds on the plants and no open flowers, but the visitors felt repaid for their visit in examining the extensive and well arranged plant of their host, which sends an inexhaustible supply of flowers to his handsome Washington store.

The Marechal Neil rose is practically a thing of the past with florists of the

present day, but Alex. McCormick, Jr., of Fullerton, continues to grow it. He has just gathered a crop, and had also a fine lot at Christmas, and found that all were eagerly taken up by the trade, the short stems of this magnificent rose to the contrary notwithstanding.

GARDENERS' CLUB EXHIBITION.

The Gardeners' Club held its carnation show Monday afternoon and evening, with a large attendance of visitors. The display was good and included several seedlings not yet introduced to the trade. The following received certificates of merit: Charles M. Wagner's Lady Edna, a dark pink; John Cook's unnamed white, a seedling from Lawson; H. Weber & Sons' My Maryland, which has been exhibited generally this season; John E. Haines' red which he calls by his own name. Other carnation exhibits were Enchantress from Mrs. T. Harrison Garrett, Charles Uffler, gardener; Genevieve Lord, Prosperity, from Lehr Brothers; Mrs. Lawson from John A. Nuth; Flamingo and Mrs. Bradt from Isaac H. Moss; a seedling red from Fred C. Bauer. In roses, John Cook showed his Cardinal; Wm. Madsen, Bride and Bridesmaid; Stevenson Brothers Golden Gate and Bride and Mr. Uffler, Ivory. John M. Rider had single violets and C. M. Wagner Marie Louise; and Philip B. Welsh, sweet peas. S. B.

Washington.

INAUGURATION WEEK.

The past week closed in a blaze of glory, and good business for the florists. While a visiting crowd is not noted for buying flowers, their presence quickens the market as the residents invariably brush up a bit and buy flowers when they have "company." The great number of American Beauty roses used in the decorations for the inaugural ball and the unusual number of dinners and luncheons, had the effect of stiffening up the prices to a considerable extent. The ruling price was \$15 per dozen, specials going as high as \$20 to \$24 per dozen. Fortunately the supply of all cut stocks was better than for any week since Christmas and little inconvenience was experienced by anybody in securing all they wanted. The fine weather, a bountiful supply of carnations and violets coupled with the greatness of the opportunity, brought out the "greeks" in considerable numbers to do more or less curbstone business.

NOTES.

A feature of Geo. H. Cooke's trade was decorations for luncheons in rooms on Pennsylvania avenue that were leased by prominent men for the purpose of entertaining their friends with a view of the procession. Incidentally, it may be stated, that he who sees all of an inaugural procession, needs a lunch with him.

A. Gude & Brother's store was decorated with the national colors with a window decoration representing various species of orchids growing in their native wilds.

Z. D. Blackstone had a good week and carried an exceptionally fine stock of American Beauty and other roses and carnations.

J. R. Freeman did a good business and is cutting fine roses and carnations at his Brightwood avenue range.

Geo. Shaffer was so busy on inauguration day and night that he did not have time to attend the ball.

As an object lesson in patriotism, A. B. Garden gave his men a holiday on March 4. S. E.

St. Louis.

IMPROVED MARKET CONDITIONS.

The market during the past two weeks, owing to weather having moderated, has improved. Stock in every line is much more plentiful; even roses, which have been very scarce, have increased in supply and prices have fallen. Carnations are quoted from 1 to 3 cents; roses 3 to 6 cents. Violets have been plentiful, selling at 25 to 30 cents per 100. Sweet peas have stiffened in price and are now quoted at 50 cents to 75 cents per 100. If the warm weather continues we can look for the early arrival of all varieties of blooming plants.

NOTES.

All growers are invited to the next meeting of the Plant and Cutflower Growers' Association. It will be held at 911 N. Vandeventer avenue on Wednesday afternoon, March 15 at 3 o'clock. There will be interesting discussions.

Joe Hauser, of Webster, Mo., whose houses were destroyed by fire, is preparing to build three new houses for this spring's trade. He will endeavor to grow a lot of bedding plants in hotbeds and frames.

The Florists' Club announces a rose meeting for Thursday afternoon, March 9. They offer prizes in seven classes. A large attendance is expected. Refreshments will be served.

Orders for funeral work have been quite abundant. Trade throughout the last few weeks has been far in excess of that of the first part of the year.

Otto Benson, of St. Louis county, is bringing in some good carnations. He expects shortly a good supply of blooming plants.

Theodore Klockemkemper in North St. Louis is wanting to lease or sell his place.

Dr. Wm. Trelease is in Old Mexico and is expected back about April 1.

Alex. Siegel handles every Saturday a large assortment of carnations.

Young & Sons report spring trade up to the average. V.

Cleveland.

Business for the past week has been anything but satisfactory. The advent of Lent has been felt in a most decided manner. Values have decreased in nearly all lines, more especially in carnations, which are selling very low, large lots going from \$10 to \$15 per 1,000. Roses are holding up fairly well except red, for which there does not seem to be any demand to speak of. Owing to a number of large funerals lately tulips have been moving somewhat better. American Beauty roses are still short; no decided quantity is looked for before April.

Smith & Feters have had a number of elaborate weddings recently, among those being the Burnham-Brandin wedding which was beautifully executed and received many flattering compliments. They will move into their new quarters April 1, which is directly

across the street from their present location. The new store will be much finer than the one they now occupy. The floor space will be doubled which will greatly facilitate the handling of their large business. Frank Smith, the senior member of the firm, is at present on a trip through the eastern cities.

Lars Andersen, late foreman for the J. M. Gasser Company, has gone into the growing business for himself at Rocky River, O. When the houses are completed this spring he will have about 20,000 feet of glass. Carnations will be grown principally.

Collins & Harrison have opened an annex in the Hollenden hotel where they expect to do a good business in the sale of cut flowers principally.

ECHO.

El Paso, Tex.

H. A. Kezer, who has a centrally located flower store here, is doing a good trade. He ships in nearly all his stock, at present mostly from Los Angeles, 1,000 miles distant, but uses also Chicago, Denver, and Kansas City, as supply points. He reports that usually shipments reach him in good order, but sometimes trains are ten hours late. He covers over 600 miles of surrounding territory.

Battle of Flowers at Villefranche.

Nice, France, March 1.—At Villefranche the annual battle of flowers has just taken place. Enormous crowds from Monte Carlo and Nice witnessed the beautiful spectacle on the bay, which commenced at 2 o'clock and continued until 5 o'clock with great animation.

OBITUARY.

Mrs. Charles Eickholt.

Mrs. Charles Eickholt, of Galveston, Tex., died March 1 after a lingering illness. A sketch of Mrs. Eickholt's career, with portrait, will be found in our issue of February 4.

P. T. Huddart.

Peter T. Huddart, of Salt Lake City, Utah, died February 21 at the Turkish bath parlors in the Kenyon. He had been at the institution for a week, undergoing treatment for a nervous disorder, and seemed to be on the road to recovery. About 1 o'clock, after having partaken of a light meal, in attempting to walk across the room he was seized with a fainting spell and before medical assistance could be had the man was dead.

Mr. Huddart was born in England in 1864. From his childhood he had worked in and about a greenhouse for his father, who was a florist. At an early age he came to America and worked at the floral business in New York city for two or three years. Some nine years ago he went to Salt Lake, where he set up an establishment of his own, and this city had since been his home. He leaves a wife and one daughter, the latter four years old. A brother and sister reside in Denver. The deceased was a member of the Commercial Club, the Elks, Eagles and the A. O. U. W. See portrait page 276.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive inser-
tions, as follows—6 times, 5 per cent; 13 times,
10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send
the old address at the same time.

ENGLAND, it appears, is struggling
with a rose (bloom) famine.

CUT BLOOMS of Bermuda lilies from
that country are admitted here free
of duty.

CALIFORNIA carnation growers can
produce carnation cuttings as satisfac-
tory as those of any other section of
this country.

THE elaborate and expensive trade
displays made by various concerns at
the annual conventions of the Society of
American Florists are worthy of more
substantial reward than mere mention
in the society's reports.

Forcing Azalea Mollis.

ED. AMERICAN FLORIST:—

How long will it take Azalea mollis
to come into bloom in a temperature of
55° at night with a rise of 10° to 15°
in daytime? What would be the
proper way to get them into bloom by
Easter? J. V. A.

Dwarf Cannas for Pots.

ED. AMERICAN FLORIST:—

What variety of canna, if any, is
dwarf enough to raise in pots, one that
is also floriferous? G. W. H.

Replying to the above, I have always
used dwarf Florence Vaughan, David
Harum and Express for this purpose.
Any one of these is dwarf, growing
about two to three feet high, besides
being very free and early flowering,
making fine 5-inch pot plants.

J. S. WILSON.

Dictamnus Fraxinella From Seed.

ED. AMERICAN FLORIST:—

Can any of your readers give me
information leading to the successful
propagating of Dictamnus Fraxinella
from seed? G. L. B.

The seeds of Dictamnus albus or D.
Fraxinella should be sown as soon as
they are ripe in fall. Sow in boxes or
pots using any ordinary potting soil
and covering to about the depth of the
seeds. Place the boxes in a cool place
where they will be safe from mice and
other vermin, and they will germinate
the following spring. If the seeds are
kept over the winter and sown in the
spring, they seldom germinate until a
year afterwards. During the first sum-
mer the seedlings require careful atten-
tion; after that they will easily hold

their own along with other herbaceous
plants.

ROBERT CAMERON.

Best Market Violets.

ED. AMERICAN FLORIST:—

What variety of violet sells best in
the markets? G. W. H.

In answering "G. W. H.," we can
speak only from the retail standpoint,
as we do not grow for the market any
more. With us we find that the single
violet Princess of Wales, if well grown,
will bring about double the price that
Marie Louise will. As we are in a vio-
let section the people are probably get-
ting tired of the double because they
have seen so much of it. At present
we are having trouble supplying the
demand for the single.

WM. G. SALTFOED.

Cleaning Pots.

ED. AMERICAN FLORIST:—

I have read that algae in water may
be destroyed by the use of sulphate of
copper. Don't you think that the same
thing would hold good with regard to
flower pots? I presume the scum that
comes on the pots is one of this fam-
ily and I would like to hear from
someone of you experts on this line as
to how it would affect the pot to soak
it in a strong solution of sulphate of
copper, and what effect sulphate of
copper in the pot would have on the
roots of the plants. D.

It would not be sufficient to soak the
flower pots in sulphate of copper, unless
they were afterwards soaked in strong
lime water in order to convert the cop-
per into Bordeaux mixture. If the pots
were soaked in sulphate of copper, one
part of sulphate of copper to fifty
thousand parts of water, then soaked
in lime water, it is likely that algae
would be prevented from growing on
the pots and no injury would result to
the roots of plants that might be put
in them. W.

That Misfit Glass Tariff.

ED. AMERICAN FLORIST:—

The price of glass for last year and
this is fixed by the rate of wages that
the factories have to pay for their
labor. These laborers have such a
strong combination that they are able
to keep their pay up to about what it
costs the factories to make glass,
the same as the price of imported
glass, with the duty added. The only
hope for cheaper glass is the perfec-
tion of the glass-blowing machines or
a reduction in the glass tariff. Most of
the glass factories have had pretty
hard sledding last year, as can be seen
from the number that failed. Whether
it would be an advantage to the florists
to get the price down to \$2 per box is
questionable. There seems to be an
overproduction of some kinds of flow-
ers, and it might stimulate building to
reduce the price of glass and so increase
this overproduction.

BASSETT & WASHBURN.

Chrysanthemum Society of America.

ANNOUNCEMENT OF SPECIAL PRIZES.

The following special prizes have
been offered, to be competed for at the
next annual meeting of the Chrysan-
themum Society of America, to be held
in Philadelphia:

F. R. Pierson offers silver cup for

thirty-six blooms, six blooms each of
six varieties introduced here in 1904
and 1905.

W. Wells & Co., Earlswood, Eng.,
offer a gold medal, a silver-gilt, and a
silver medal for six flowers of chrys-
anthemum Mrs. Wm. Duckham.

FRED H. LEMON, Sec'y.

American Rose Society.

Additional special prizes are offered
for competition at the annual exhibition
to be held in Boston, March 23 to 26,
as follows:

Pierson-Sefton Company, Jersey City,
N. J., a \$50 silver cup for the best
vase of fifty blooms of teas or hybrids,
not less than three varieties.

E. Welch, Boston, a \$25 silver cup
for the best vase of roses in the show.

Peter Crowe, Utica, N. Y., a gold,
silver and bronze medal for the best,
second best and third best pair of vases
containing twenty-five Brides and
twenty-five Bridesmaids.

WM. J. STEWART, Sec'y.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of
Baltimore, Royal Arcanum building, 18
W. Saratoga street, Monday, March 13,
at 8 p. m.

Boston, Mass.—Massachusetts Horti-
cultural Society, Horticultural Hall, 300
Massachusetts avenue, Saturday, March
18, at 11 a. m. General discussion on
vegetables, to be opened by W. W.
Rawson.

Buffalo, N. Y.—Buffalo Florists'
Club, 383 Ellicott street, Tuesday,
March 14, at 8 p. m.

Cleveland, O.—Cleveland Florists'
Club, Progress Hall, 244 Detroit street,
Monday, March 13, at 7:30 p. m.

Detroit, Mich.—Detroit Florists'
Club, Cowie building, Farran and Gra-
tiot avenue, Wednesday, March 15, at
8 p. m.

Haarlem, Holland.—Royal Dutch
Bulb Growers' Society, March 17 to 21,
seventh quinquennial bulb show.

Manchester, Mass.—North Shore Hor-
ticultural Society, Friday, March 17.

New Bedford, Mass.—New Bedford
Horticultural Society, Tuesday, March
14. Illustrated address on "Birds in
Their Relation to Agriculture," by
Edward Howe Forbush.

Newport, R. I.—Newport Horticul-
tural Society, at Mercury Hall, Thames
street, Wednesday evening, March 15,
at 8 p. m. Special call meeting.

New York, N. Y.—New York Flo-
rists' Club, Grand Opera House build-
ing, 8th avenue and 23rd street, Mon-
day, March 13, at 7:30 p. m.

St. Louis, Mo.—Plant and Cut Flower
Growers' Association, Wednesday,
March 15, at 3 p. m.

San Francisco, Cal.—Pacific Coast
Horticultural Society, Saturday, March,
18.

Catalogues Received.

The Mitchell Greenhouses and Nur-
series, Mitchell, S. D., cut flowers and
nursery stock; Elbridge E. Wheeler,
Bridgeport, Conn., seeds; F. Dörner &
Sons Company, Lafayette, Ind., carna-
tions; D. Landreth Seed Company, Bris-
tol, Pa., seeds; California Rose Com-
pany, Los Angeles, Cal., roses; D. M.
Andrews, Boulder, Colo., rare seeds;
Henry Saxton Adams, Jamaica Plain,
Mass., seeds, bulbs and plants; Exors.

R. Campbell, Manchester, Eng., manures, insecticides, etc.; W. Atlee Burpee & Company, Philadelphia, Pa., seeds; I. N. Glick, Lancaster, Pa., seeds, plants, etc.; Joseph Breck & Sons, Boston, Mass., seeds, nursery stock, implements, etc.; Joseph A. Schindler & Company, New Orleans, La., seeds, plants, etc.; The Page Seed Company, Greene, N. Y., seeds; Barteldes & Company, Denver, Colo., seeds, implements, etc.; William C. Beckert, Allegheny, Pa., seeds; Vilmorin-Andrieux & Company, Paris, France, seeds; Joseph W. Vestal & Son, Little Rock, Ark., plants; Henry F. Mitchell Company, Philadelphia, Pa., seeds, plants and bulbs; C. S. Harrison, York, Neb., nursery stock; The Fraser Nursery, Huntsville, Ala., nursery stock.

LOOMIS, CAL.—The California Carnation Company was sold February 11 by Mitting & McGowan to Johnson & Taylor, of Sacramento, Cal. Mr. Mitting has not decided so far what he will do.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—As carnation or rose grower, 6 years experience. Carnations preferred. State in first letter with or without board. Address Box 189, care American Florist.

Situation Wanted—By florist, single, 28 years of age; grower of cut flowers, bedding plants, also a good propagator and gardener. Address A. C. 701 Milwaukee Ave., Chicago.

Situation Wanted—As landscape gardener, superintendent or nursery foreman. Thoroughly experienced. State wages. Address SAMUEL SCOTT, Box 387, Wakefield, R. I.

Situation Wanted—By a boy 16 years old, German-American, obliging and honest, to learn the florist trade. Address HENRY DUNKE, Wileys Mill, Blandon, Pa.

Situation Wanted—By a strong boy past fourteen, fairly well educated, desires to learn the florist trade. Address CHARLES DUMKE, Wileys Mill, Blandon, Pa.

Situation Wanted—By artistic decorator and designer; competent to take charge of first-class store. Best of references. Address with full particulars, Box 191, care American Florist.

Situation Wanted—By practical florist. Long experience; good grower of roses, carnations and general stock. Middle-aged, married. Private place preferred. Address Box 198, care American Florist.

Situation Wanted—By young German florist: 12 years' experience in carnations, 'mums and general stock, and 8 years in design and store work; sober and good worker. Address F. H. WILL, 66 Palmer Ave., Chicago.

Situation Wanted—By a Dutchman, well up in bulbs and nursery stock, representing a Dutch firm, wants a position with an American firm. Speaks English, Dutch, German and French. Address Box 194, care American Florist.

Situation Wanted—By a competent florist; 21 years' experience in greenhouses, plants and fruits; know landscaping; have diploma, able to take full charge in every line of the business. Only good place wanted. Address Box 196, care American Florist.

Situation Wanted—To take charge of large private estate or public institution by florist and landscape gardener; German, 36 years of age; life experience; best of references. Kindly state wages and particulars. Address Box 181, care American Florist.

Situation Wanted—As foreman on good sized commercial place where growing roses for cut flowers is made a specialty. Refer to Alex. Montgomery, Waban Rose Conservatories, Natick, Mass. Address Box 183, care American Florist.

Situation Wanted—By experienced florist and gardener; Dane, married, small family, age 36. Experienced in greenhouse, vegetable and landscape work; expert on orchids. Private place in Ohio or Indiana preferred. Good wages expected. Box 189, care American Florist.

Situation Wanted—As manager or foreman, by a gardener of 20 years' experience in growing all kinds of plants for the mail order trade; 43 years of age married; strictly temperate. Can furnish references. Good salary expected. Address Lock Box 3, Rose Hill, N. Y.

Help Wanted—Section florist. Call or address D. WOOD BRANT, 60 Wabash Ave., or Forest Glen, Chicago.

Help Wanted—A reliable man to take charge of small place, to grow carnations, roses, 'mums, violets and general stock. Address E. POWER, Frankfort, Ky.

Help Wanted—Good grower of carnations, roses, 'mums and general bedding stock. Sober and reliable. \$35 per month and board. B. B. BLAIR, Charlevoix, Mich.

Help Wanted—A good, all around man for wholesale and retail commercial establishment. Send full particulars. Address Box 192, care American Florist.

Help Wanted—Rose grower, single, to take charge of two 300-foot houses, under foreman. State age, experience, etc. THE GASSER CO., Euclid Ave., Cleveland, O.

Help Wanted—Young man at once as helper in greenhouse; one that has had some experience; for small place in Indiana. Address F. W. HEULEMAN, Arlington Hotel, Findlay, O.

Help Wanted—A young man, single, with some experience in gardening, to do general work on a private place. Wages \$45 per month without board. Address Box 1392, Beverly, Mass.

Help Wanted—Rose grower; competent, temperate and trustworthy. Only man who has grown first-class stock wanted. Apply, giving references and full particulars, to ROBERT SIMPSON, Clifton, N. J.

Help Wanted—Immediately, an all-around man, grower of good roses and carnations; retail trade. Must be strictly sober and industrious. Good, steady place and good wages. Address Box 197, care American Florist.

Help Wanted—A young man with one or two years' experience, that wants to learn the trade thoroughly; wages \$20 per month with room and board to begin with. Address KRANZ FLORAL CO., Ottumwa, Ia.

Help Wanted—A good grower of roses and general stock; must be sober and good worker. State age, experience and wages expected, with references, in first letter. Steady position to right party. CHAS. S. CRALL, Mcnongahela, Pa.

Help Wanted—Man wanted for the south who can look after advertiser's property generally, including lawn, trees, shrubs, etc. No flowers are raised. A man of ordinary knowledge and a good worker is needed. German or Swede preferred. Box 193, care American Florist.

Help Wanted—At once, an all-around florist to take charge of 35,000 feet of glass. Must be a hustler and know his business, and handle help to best advantage. Send references and wages wanted. No drinking man need apply. Address GEO. M. KELLOGG, Pleasant Hill, Mo.

Help Wanted—A florist who understands roses, carnations, 'mums and general stock. Young single man preferred. Wages \$7.50 with good board and room. References required. State particulars in first letter. J. H. KRONE, Jr., Fort Smith, Ark.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Help Wanted—A grower of Beauties, to take charge of section under foreman. Man not over 35, single. A good opening for right party. Permanent position. Wages \$15 per week. Six miles from Cleveland, on main trolley line. Send references. Position now open. Address M. BLOX, Essex Greenhouses, N. Olmstead, O.

Help Wanted—Bright young man for assistant gardener on large private place at Lake Minnetonka. Must have had some experience in planting and know how to handle a team. Must be strong, neat and sober. Send experience and references in first letter and when will be able to start. \$30.00 per month, board and lodging. Good treatment. Address D. W. DESMOND, St. Bonifacius, Minn.

Wanted—Scott's Florists Manual. State price. FRANK WALLACE, La Marque, La.

Wanted—Address of Soren Nielsen. Dane Good chance. Address Box 200, care American Florist.

For Rent—\$50 per month, five greenhouses, 9,000 square feet of glass, nine and one-half acres of good ground, house and barn, long lease, \$1,000 cash for stock, etc., near Chicago. Address Box 152, care American Florist.

For Sale or Rent—Retail business in a live town, 5,000 square feet of glass, well stocked store in good location. Other conditions favorable. Good opening for capable man who wants to work for himself. Address Box 190, care American Florist.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale—A greenhouse property in a flourishing town of 8,000 inhabitants in the state of Indiana; houses stocked with roses, carnations, miscellaneous stock and bedding plants; a separate store building in front of greenhouses. For particulars address Box 162, care American Florist.

For Sale—A well established business in a thriving town in Indiana; 14,000 square feet of glass, up-to-date stock in fine condition, of roses, carnations and miscellaneous stock. An exceptional opportunity, as owner wishes to retire. Cash or payments. Last year's sales over \$5,000. Address Box 195, care American Florist.

For Sale—Nurseries of three acres, including 12,000 feet of glass; heated with hot water, fully stocked with palms, ferns and house plants; 24,000 feet of lath house, 5,000 smilax, 500 Asparagus plumosus, etc. The site is on the bon-ton street, twenty blocks from business section. For further particulars and price address HOUSTON, LOCK & BROWN, 715 Braly Building, Los Angeles, Cal.

For Sale—Having decided to retire from the greenhouse business we are going to sell our entire plant at a bargain, consisting of 12,000 square feet of glass, all built new and up-to-date, heated with steam, complete for carrying on retail or wholesale business, two dwellings, barn and all equipments for running a first-class establishment; been established 12 years in a city of 10,000; no competition, elegant retail trade, plenty of land for enlarging. For particulars address Box 172, care American Florist.

UNUSUAL OPPORTUNITY.

For Sale—Greenhouse property, stock and retail business, consisting of eight greenhouses and store, about 22,000 feet of glass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philadelphia, right in center of a growing population. Doing a first-class retail business. A splendid opportunity; only \$3,500 cash required, remainder can remain on mortgage at 5 per cent. To close an estate. Box 144, care American Florist.

FOR SALE

About 50,000 feet of glass nearly all devoted to carnations, one house of roses and one of asparagus plumosus; houses in splendid condition; two built last summer; 72-inch by 16 ft. boiler heats the place with ease; another large boiler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale and retail trade well established; one of the best shipping points in Michigan, reaching with ease and comparatively short time, Chicago, Milwaukee, Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid trade in field-grown carnation plants as well as rooted cuttings. Stock in fine condition. Soil and climate just suited to growing carnations—both quantity and quality. Splendid water privilege for field and houses. An exceptional chance for some one to step into a well established business. Will also sell or rent a large or medium sized house. For further particulars, address Box 187, care American Florist.

Florist Wagon For Sale.

Built to order of the very best material, seat and sides upholstered in leather, two windows on each side, double plate beveled glass, color of painting, body dark Prussian blue with gold trimmings, silver trimmings on hubs, shafts and running gear, wheels painted vermilion red with black stripes, silver side lamps, eight movable shelves inside, everything first-class and cost \$235 eighteen months ago; rubber tires. All guaranteed as represented. A fine wagon for florist in large city; is very attractive. Will give six months' credit to responsible party. Have three others and can do without it. Price \$175. WALTER BUTLER, Florist, Chillicothe, O.

San Francisco.

SPRING TRADE LIVELY.

Trade has been going along at a pretty fair rate lately. The many social functions are all coming with a rush now, owing to the near approach of the Lenten season, helping things along wonderfully. Outside stock is beginning to come in with a rush as a result of the extremely warm weather we are now having. Fruit blossoms, etc., are now in great profusion and are being liberally used in decorations. Roses continue scarce. There is no change in the carnation market. We have noticed that the warm weather has put some of the varieties a little off color. It came upon the growers so quickly that they were unprepared for it. Violets are still with us and are very cheap notwithstanding the excellence of bloom and size of the bunches. Some of our growers will soon be in with Spanish iris. This flower was in good demand last season and brought very satisfactory prices. Harrisii lilies are not over plentiful, while nearly all other bulbous stock is a drug on the market.

NEWS NOTES.

As a result of the recent appropriation made to Luther Burbank by the Carnegie Institute the world is to be given more fruits and flowers and trees by the eminent scientist. Mr. Burbank has recently acquired more land for his experimental grounds and intends to prosecute further experiments with the new products which he was compelled to abandon two or three years ago because of the expense being too great and the time unavailable.

Charles F. Miller, head gardener to the Leland Stanford University, is making great improvements in the Stanford Arboretum. It was the intention of Mrs. Stanford to make this one of the finest in the United States. It was originally planned and designed by Thomas Douglass.

The conservatories in Golden Gate park are always interesting but never more so than at present. The great variety of different stock is in fine condition and is a source of much interest to visitors. Supt. McLaren has developed recently into a champion bowler.

The last meeting of the Pacific Coast Horticultural Society was largely attended and many interesting subjects were discussed. The society is gaining in strength and membership steadily.

A. Lindstrom passed through last week on his way to Los Angeles where he expects to go in business making a specialty of ferns for the wholesale market.

Frank Pelicauso & Company have a splendid lot of kentias at present in their greenhouses at Ocean View.

Charles Mitton, the young foreman for E. W. McLellan & Company, reports trade as being very satisfactory.

Otto Haeflner is now with the Cox Seed Company at their greenhouses and trial grounds at Piedmont.

King & Kress is the name of a new firm which has opened up a store in Reno, Nevada. NORMA.

Cincinnati.

The bright spring-like weather of the past few days had a tendency to bring flowers along with a rush. Consequently we have a surplus of flowers of all kinds with the exception of Amer-

ican Beauty roses. Smilax and asparagus seem to be growing scarcer with a good demand. The market is glutted with bulbous stock and carnations and plenty of roses for all orders. Violets are fine with a fair demand, the call being mostly for single.

A. Sunderbruch's Sons and Miss Edith Kyrk had the bulk of orders for the funeral of Mrs. Louis Kuhn, wife of one of our wealthiest bankers. Great quantities of flowers were used and some elegant work was noticed.

A. O. Williams formerly with Hardisty and Company has accepted a position with the Rosebank Company.

Martin Reukauf, of Philadelphia, was in town this week.

Park Superintendent B. P. Critchell is experiencing a little difficulty in getting about at present owing to an attack of lumbago.

Next Saturday the Florists' Society will give its annual exhibition of carnations and we look forward to a fine display.

The writer last Sunday visited Eden park and spent a little time in the greenhouses. The large show house contains some fine specimens of palms while the croton house and fernery have a fine lot of blooming azaleas, cinerarias, primulas, etc. The half dozen houses of bedding plants are filled to overflowing with stocks of all kinds for bedding purposes. Mr. Knott and the men under him will have to do some calculating for room when repotting time comes along. The greenhouses are daily open to the public. A. O.

Newport, R. I.

BUSINESS CONTINUES GOOD.

With cold one day and soft the next we are having real early spring weather. The streets are also getting cloudy with dust, which is a sure sign of a planting season to come. Our florists have had another good week of business, both in cut flowers and funeral work; carnations sell for 75 cents to \$1 per dozen, and we noticed a few inferior ones at 50 cents; bulbous stock goes slow, and 50 cents a dozen is about all customers want to pay. As always, roses bring good money, the regular kinds \$1.50 to \$2.50, and American Beauty at \$2 to \$10 per dozen, according to quality.

NOTES.

A few days ago Teamster J. J. Dugan hauled a fifteen-ton Norway spruce from the J. J. Van Alen estate to the grounds of Commodore E. T. Gerry. Eight horses were required. Mr. Griffin, head gardener to Commodore Gerry, watched every detail.

V. A. Vanicek and wife arrived home a few days ago, having come from visiting, for two months, Mr. Vanicek's parents in Vienna. Mr. Vanicek also as usual made large purchases of nursery stock in France, Germany and Holland.

Mrs. Arthur Griffin met with a very painful burning accident some time ago. She slipped and in falling her right arm was stretched out for support and rested on the top of the hot stove.

Andrew Meikle, head gardener to Mrs. W. S. Wells, has been having a birthday. Many of the craft called on him with good wishes heartfully expressed.

The executive committee of the Newport Horticultural Society has been hav-

ing a lot of work lately arranging the schedule of prizes and exhibitions to be held the coming year.

Asters bid fair to be a great feature here next summer, certainly twice as much seed having already been sold as in any previous season.

Syracuse, N. Y.

The month of February showed a large increase in trade over the preceding month, due to a greater number of social events and to the milder weather which prevailed. The month of March has also started in well and the prospects are that a good business will be done during the entire month. There is such a difference in prices charged that it looks as if a rate war was imminent. Up to this time there has never been any trouble over prices and it is hoped that there will be none. The public knows that the difference exists and the consequence is that the amount of "shopping" is on the increase. The purchasers try to buy closer than ever before.

Some novel funeral pieces have been made recently by Syracuse florists. Wheadon & Hencle made a policeman's badge for the funeral of Jailer Alexander Gee. The outline was of Lawson carnations and the groundwork of white carnations. A band of purple immortelles extended across the face of the badge. At the top was a cluster of callas and callas were placed at the points. Roses were also distributed about.

The death of Charles L. Beckwith, of Utica, occurred last week. Mr. Beckwith is known to all of the older gardeners as having once been gardener for Roscoe Conklin. He suffered from a complication of diseases and his death was not unexpected.

P. R. Quinlan & Company have had a busy week supplying flowers for a large number of teas and receptions.

Henry Morris has a fine display of plants and reports a good plant business.

A. J. B.

New Haven, Conn.

The carnation exhibition given Tuesday, February 21, by the New Haven County Horticultural Society was a success in every particular. Frank Kimberly exhibited fine Prosperity and Enchantress while James Bruce showed both roses and carnations in variety. John Murray of the Yale Botanical Gardens showed several promising seedling carnations, one a pure white, fringed, another a pleasing pink resembling Joost. A. J. Thompson made a good showing of carnations.

Frank Kimberly read a paper dealing with the culture of carnations and Charles Kern gave the history of the carnation, tracing it back 300 years before the Christian era. P.

TOPEKA, KAN.—The monthly meeting of the Shawnee County Horticultural Society was held at the state horticultural rooms, March 2.

MAMARONECK, N. Y.—Christopher J. Schelling will this spring build on his estate a handsome residence and modern greenhouse. The plans include an extensive formal garden.

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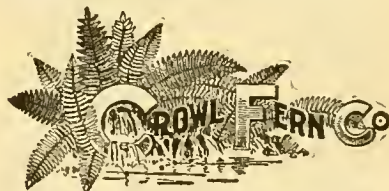
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MILWAUKEE, March 8.		
Roses, Beauty, long, per doz.	5 00	
" " med.	2.00@	8 00
" " short	.75	
" Liberty	6.00@	12.00
" Chateaux	6.00@	10 00
" Bride, Bridesmaid	6.00@	10 00
" Meteor, Golden Gate	3 00@	10 00
" Perle	3.00@	8 00
Carnations	1.50@	4.00
Smilax	12.50@	15.00
Asparagus sprays	2 00	
Valley	3 00	
Adiantum	1.50	
Violets	.50@	1.00
Callas	8.00@	10.00
Romans, Paper Whites	3 00	
Harrisii	10.00@	12.50
Tulips, Daffodils	3 00	

PITTSBURG, March 8.		
Roses, Beauty, extras	18.00@	25 00
" " No. 1	8 00@	12 00
" " ordinary	3 00@	5 00
" " Bride, Bridesmaid	3 00@	15 00
" Meteor	6.00@	10.00
" Liberties	8.00@	20 00
" Perle, Chateaux	3 00@	8 00
Carnations	1.00@	3 00
Lily of the valley	3.00@	4 00
Smilax	12.50@	15.00
Asparagus, strings	25.00@	50.00
Asparagus Sprengerii	2.00@	3 00
Lilies	6.00@	15 00
Adiantum	1.00@	1.50
Mignonette	1.00@	4 00
Daffodils	2 00@	4 00

CINCINNATI, March 8.		
Roses, Beauty, per doz.	1.00@	4.00
" " Bride, Bridesmaid	4.00@	8 00
" " Liberty	6.00@	10.00
" " Meteor, Golden Gate	4.00@	8 00
Carnations	1.50@	4 00
Lily of the valley	3.00@	4 00
Asparagus	50 00	
Smilax	12.50@	15.00
Adiantum	1.00@	1.50
Callas	10.00@	12.50
Asparagus Plumosus and Sprengerii in bunches	.25c	per bunch
Harrisii	15 00	
Romans, narcissus	3 00	
Violets	.75@	1 00

St. Louis, March 8.		
Roses, Beauty, long stem	4.00@	6 00
" " medium stem	2 00@	3 00
" " short stem	.50@	1 50
" " Bride, Bridesmaid	5 00@	10.00
" " Liberty	5.00@	10.00
" " Kaiserin	5.00@	10.00
Carnations	1.00@	4 00
Smilax	12.50@	15.00
Asparagus Sprengerii	1.50@	3 00
Plumous	25.00@	50.00
Ferns, fancy	per 1000,	2 00
Adiantum	1.00@	1.25
Violets, California	.25@	.40
" " Double	.50@	.75
Lily of the valley	3.00@	4 00
Romans	2.00@	3 00
Callas	12.50@	15.00
Paper White narcissus	3 00	

CLEVELAND, March 8.		
Roses, Beauty, per doz.	1.00@	6 00
" " Bride, Bridesmaid	4.00@	10.00
" " Meteor	4.00@	10.00
Carnations	2 00@	6 00
Smilax	10.00@	15.00
Asparagus, strings	25.00@	50.00
" Sprengerii	1.00@	2 00
Common ferns	2 00	
Violets, single	.50@	1 00
" " double	.75@	1 00
Paper Whites	3.00@	4 00
Tulips	3.00@	4 00

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15-inch stems	2 00
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		Per 100
LIBERTY	\$8.00 to 12.00
CHATEAUX	6.00 to 10.00
MAIDS AND BRIDES	5.00 to 8.00
PERLE	6.00 to 8.00
SUNRISE	6.00 to 8 00
UNCLE JOHN	6.00 to 12.00
CARNATIONS	2.00 to 3.00

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ROMANS and PAPER WHITES.....	3.00
LILAC, fancy.....	1.00
FINE VALLEY.....	3 00

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CHICAGO, March 9.

Roses, Beauty, 30 to 36-in. stems	5.00@ 6.00
" " 20 to 24 "	3.00@ 4.00
" " 15 to 18 "	2.00@ 3.00
" " 12 "	1.50
" Liberty.....	6.00@15.00
" Chateauf.....	4.00@10.00
" Bride, Bridesmaid.....	4.00@10.00
" Meteor, Golden Gate.....	4.00@10.00
Carqations.....	1.50@ 2.00
" fancy.....	2.50@ 4.00
Valley.....	2.00@ 4.00
Violets.....	.50@ 1.00
Asparagus Plumosus, per string 40 to 50c	
" " sprays 2.00@6.00	
" Sprengerl.....	3.00@ 6.00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000	1.25
" " Green, " "	1.00
Adiantum.....	1.00
Fancy ferns.....per 1000	2.00@ 2.50
Smilax.....	12.00@15.00
Callas.....	1.00@1.50 per doz.
Paper Whites.....	3 00
Romana.....	3 00

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WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

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All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.
 FLORISTS' SUPPLIES all kinds.
 Long Distance Telephone, 6288-6287 Main.

GRAFTED ROSE STOCK.

Now is the time to order for summer flowering.
KAISERIN and **CARNOT**, 2¼-inch pots, \$15.00 per 100; \$120.00 per 1000
OUR ROOT STOCK.

KAISERIN, CARNOT, BRIDE and **BRIDESMAID**, 2¼-inch pots, \$4.00 per 100; \$35.00 per 1000.
 I have splendid plants of **AMERICAN BEAUTY**, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

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ALSO SUCCESSORS TO
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Special attention given to Shipping Orders.

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C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

BOSTON, March 7.

Roses, Beauty, best	50.00@60.00
" " medium	30.00@45.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Extra	8.00@12.00
" Liberty	1.00@ 8.00
Carnations	1.50@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Smilax	8.00@12.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, March 8.

Roses, Tea	6.00@18.00
" " extra	10.00@15.00
" Liberty	8.00@35.00
" Queen of Edgely, extra	40.00@60.00
" " firsts	15.00@25.00
" Beauty, extra	40.00@60.00
" " firsts	15.00@25.00
Carnations	1.50@ 6.00
Lily of the valley	2.00@ 5.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.25@ .50
" double	.35@ .60
Adiantum	.75@ 1.50
Gardenias	.12@ .15
Mignonette	3.00@ 5.00

BUFFALO, March 8.

Roses, Beauty	4.00@40.00
" " Bride, Bridesmaid, Meteor	2.00@10.00
Carnations	1.00@ 4.00
Harrish	12.50@15.00
Lily of the valley	2.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	15.00
Violets	.30@ .60

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WHOLESALE FLORISTS
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228 Diamond St., PITTSBURG, PA.
 Send for weekly price list and prices on large orders..

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Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at
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 Shippers of choice Cut Flowers and Greens of all
 kinds. Try us.

Eine absolute Nothwendigkeit!

Hiermit \$1.00 für mein Abonnement.
 Es ist die Pflicht eines Jeden prompt für
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 jeden Blumenzüchter ist.

Carl Roegner, Alabama.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

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CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
 FANCY CARNATIONS, TULIPS, DAFFODILS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
 Open 7:30 a. m. to 8 p. m.

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Fancy and Dagger Ferns.
 All Cut Flowers in Season.

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CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

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Original Pioneer House—Established 1871.

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ADIANTUM CROWEANUM sold here exclusively.

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OPPOSITE N. Y. CUT FLOWER CO.Everything in Cut Flowers. Consignments
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Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.**Wholesale Flower Markets**

NEW YORK, March 8.

Roses, Beauty, best.....	15.00@60.00
" " medium.....	3.00@15.00
" " culls.....	1.00@ 2.00
" Liberty, best.....	10.00@40.00
" " medium.....	3.00@10.00
" " culls.....	2.00@ 3.00
" Bride, Bridesmaid, G. Gate.....	2.00@12.00
" Kaiserin, Carnot.....	1.50@10.00
Carnations.....	.75@ 3.00
" " fancy and novelties.....	3.00@ 6.00
Lily of the valley.....	1.00@ 3.00
Lilies.....	4.00@ 8.00
Smilax.....	8.00@12.00
Adiantum.....	.50@ .75
Asparagus.....	20.00@50.00
Tulips.....	1.00@ 3.00
Violets.....	.25@ .60

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WHOLESALE FLORIST.

Conservatory connected from which I can ship
ferns and decorative plants promptly.

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Open for Cut Flower Sales at 6
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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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TELEPHONE MAIN 1023.

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High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

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Good Shipping Facilities to all Michigan Points.

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Paper White Narcissus and
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\$2.00 per hundred, in any quantity,

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Cut Flowers, Floral Designs, Decorations.

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250 ILLUSTRATIONS ANNUALLY.

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A Daily Shipment From 40 to 60 Growers (VARYING ACCORDING TO SEASON.)

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Telephone or Telegraph your "Hurry Up" Orders. We will "Get a Move" on them.

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Store open from 7 a. m. to 7 p. m. on week days and 7 a. m. to 1 p. m. on Sundays.

If you are a **Regular Buyer** of Cut Flowers we ask for a chance to show our ability to furnish the right kind of stock at agreeable prices, careful packing and prompt shipment. Our consignments of Roses, Carnations, Violets, Bulbous Stock, Etc., were never larger or of better quality.

Telegraph at our expense for latest quotations on any Cut Flower Supplies.

From Cold Storage. { We have a fine lot of **Lilium Longiflorum** Multiflorum 9-10 inch bulbs.
—Write for Prices.—

E. F. WINTERSON CO., 45-47-49 Wabash Ave.,
CHICAGO.

CURRENT PRICES.

For Week of March 9th to 16th, 1905.

Roses.	Per dozen.
American Beauty, 30 to 36 ins....	\$5.00 to \$6.00
" 24 inches.....	4.00
" 20 inches.....	3.00
" 15 inches.....	2.00
" 12 inches.....	1.50
" Short.....	.75 to 1.00
Bride, Bridesmaid.....	4.00 to 10.00
Meteor, Gate.....	4.00 to 10.00
Roses, Our Selection.....	5.00
Liberty.....	6.00 to 15.00
Chatenay.....	4.00 to 10.00

Carnations.

We handle all leading varieties	Per 100
Fancy.....	\$3.00 to \$4.00
Good Average.....	1.50 to 2.00
Fair Stock, for bargain sales (Our Selection).....	Per 1000 10.00

Miscellaneous.

	Per 100
Valley.....	\$2.00 to \$4.00
Violets.....	.40 to 1.00
Callas.....	8.00 to 12.00
Paper Whites, Romans.....	3.00
Harrisii.....	10.00 to 12.00
Tulips, Jonquils, Daffodils.....	3.00 to 4.00
Sweet Peas.....	1.00 to 1.50
Mignonette.....	.50 to .75

Decorative Stock.

Asparagus Plumosus, per string \$.35 to \$.50	
Asparagus Plum. Sprays, per 100..	2.00 to 5.00
Asparagus Sprengerii, per 100....	3.00 to 5.00
Common Ferns, per 1000.....	2.50
Galax Leaves, Bronze, per 1000..	1.25
" Green.. "	1.00
Green Leucothe Sprays, per 100, 75; Red, 1.00	
Adiantum.....	" 1.00 to 1.25
Smilax, per dozen.....	1.00 to 2.00

Prices quoted herein are subject to change without notice.

Wietor Brothers, 51 Wabash Avenue, CHICAGO. WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem.....	\$6.00
30-inch stem.....	5.00
24-inch stem.....	3.00
20-inch stem.....	2.50
16-inch stem.....	2.00
12-inch stem.....	1.50

ROSES.

	Per 100
Bride and Maid.....	\$4.00 to \$8.00
Meteor and Gate.....	4.00 to 8.00
Liberty.....	6.00 to 10.00
CARNATIONS—Good stock.....	2.00
" Large and fancy.....	3.00

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Published quarterly. Both mailed post free for one year for One Dollar.

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AMERICAN FLORIST Co.:—Enclosed please find money order for \$1 for the renewal of the AMERICAN FLORIST for 1905. We are well pleased with the paper and find a lot of instructive reading in it.

FRACHE BROTHERS.

Forcing Stock for Easter.

AZALEA MOLLIS full of buds, nice even heads, force easily, 12-15 in. high, \$30.00 per 100; 15-18 in. high, \$40.00 per 100.

DEUTZIA GRACILIS, grows especially for pot culture; very bushy; 12-15 in. high, for 6-in. pots, \$6.00 per 100; 15-18 in. high, for 7-in. or 8-in. pots \$8.00 per 100.

DEUTZIA LEMOINEI—Similar to Gracilis, but stronger grower, 15-18 in. high, for 6-in.

pots, \$8.00 per 100; 18-24 in. high, for 7 or 8-in. pots, \$10.00 per 100.

RHODODENDRONS—Best named Hybrids, bushy and full of buds, 20 in. high, \$9.00 per dozen; 24 in. high, \$12.00 per dozen; 30-32 in. high (heavy) \$24.00 per dozen.

SPIRAEA JAPONICA, \$3.00 per 100.

SPIRAEA NANA COMPACTA, \$4.00 per 100.

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BEST ENGRAVINGS and ILLUSTRATIONS

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We manufacture a full line in Manila, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

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Fertility Germs

Some soil raises better crops than others because it contains more nitrogen.

Fertility germs draw nitrogen from the air—deposit it in the soil—make the land rich—insure immense crops.

NITRO-CULTURE

contains these germs. Sprinkle on seeds before planting. Germs increase—enrich the soil, make nitrogenous fertilizers unnecessary. \$2.00 worth increases yield per acre enormously. Write for catalogue. 6 P

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West Chester, Pa.

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1904 NEW CROP

Asparagus Seed

	Per 100	Per 1000
Plumosus Nanus.....	\$.55	\$4.00
Robustus.....	.85	7.50
Sprenger!.....	.15	1.00

We are headquarters for all the best flower seeds; 100 page catalogue free.

Moore & Simon, Seed Growers,
207 Market St., PHILADELPHIA, PA.

Alfred J. Brown Seed Co.

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SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

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Wholesale Price List for Florists and Market Gardeners.

Asparagus Plumosus Nanus Seeds

Our own growing, just ripening on selected plants, 100 seeds, 50c; 500 seeds, \$2; 1000 seeds, \$4.

B. H. Haverland, Pleasant Run, O.

BERMUDA Harrisii Bulbs

THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. ❀ ❀ ❀

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Mangel Wurzel and Sugar Beet Seeds
A SPECIALTY.



We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND.

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ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

LEONARD SEED

Write for Prices.

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ONION SETS.

Flower Seeds
and
Bulbs

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WHOLESALE SEED GROWERS

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Peas and Garden Seeds. WRITE FOR PRICES.

CHICAGO.

Peacock's Dahlias.

Send for beautifully illustrated descriptive catalogue and trade list for 1905, Now Ready.

L. K. PEACOCK, Inc.,

Atco, N. J.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

AUSTIN, TEX.—The governor of this state proclaimed February 22, arbor day, as a legal holiday and called attention to the vast good that can be done by its proper observance in the planting of trees.

NEW YORK.—The contract for furnishing trees and shrubs to the Department of Parks was last week awarded to Frederick W. Kelsey. Four bids were received, of which Mr. Kelsey's was the most favorable. The contract is for a general assortment of trees, conifers and hardy shrubs, to be delivered during the planting season of 1905. The amount of security required was \$3,000.

NEWPORT, R. I.—Many large contracts are in the process of being placed, not only with our local nurserymen but with many of the representative houses in New York and Pennsylvania. Every large nurseryman who has been here so far this season has reported orders far in advance of any previous season for some years. More than ever is large stock especially in demand; and with many nurserymen, orders for hardy roses of the first quality have been refused.

FLUSHING, N. Y.—The partnership of Keene & Foulk, nurserymen, has been dissolved. A new company has been organized by Mr. Keene, to be known as the Bloodgood Nurseries, Incorporated, with a capital stock of \$50,000, which will continue the business carried on for many years by the dissolving firm. A new site will be obtained for the nurseries, the present site having passed into the hands of a New York syndicate some time ago, although under the terms of sale occupation can be continued until June of next year.

Nursery Notes.

The following four varieties of double lilacs have proved the best and most distinct of a large collection: Mme. Abel Chatenay, white; Belle de Nancy, rosy purple; President Grevy, blue, and a real sky blue; and La Tour d'Auvergne, reddish purple.

To be most successful growing the flowering crab apples, use paradise stock. The demand exceeds the supply of these beautiful things.

Mahonia aquifolium, with bright yellow flowers, fine clusters of showy fruit, and handsome holly-like foliage, is a very striking plant.

M.

To Kill Roots and Tree Stumps.

ED. AMERICAN FLORIST:—

What can I use to destroy the stumps and roots of trees cut off near the ground so that they will not grow?

W. S.

The writer does not state if that refers to a few around or near a building, or on a large scale in a stump lot. However, I would say, if only a few in

a yard or near buildings, the most practical way would be to dig them out. If on a large scale in open field not near building, get a man that knows his business and blow them out with dynamite.

M.

"Successful Fruit Culture."

Samuel T. Maynard, formerly professor of horticulture at the Massachusetts Agricultural College, has supplied quite a handy and seasonable guide to fruit growers in this little volume. It is a practical story and the book is freely illustrated. Each of the leading fruits is given separate attention and there are chapters devoted to "Some Tropical Fruits," "Propagation of Fruit Trees and Plants," "Fruits Under Glass," and "Insect Pests and Fungous Diseases." We can send you a cloth-bound copy on receipt of \$1.

Boston.

SPRING SLUMP IS ON.

The usual spring slump has set in and the prices have fallen off to a marked degree during the past week. The cause of this is the warmer weather, which has advanced the stock much faster than it can be disposed of. Violets felt the reaction the most and the price obtainable would scarcely pay a person to pick them, but 15 to 20 cents per 100 was obtainable, and even at retail no more than 35 cents per 100 could be obtained. Carnations were also away off, good Enchantress bringing only \$2.50 per 100. The other varieties of carnations were also down proportionally. Bulbous stock about held its own, that is, the colored varieties, in particular yellow. The white kinds, including tulips, could scarcely be given away. Roses are scarce, but as the demand is very small, there has also been a drop in prices. The prospects are for a continued low market for the next few weeks up to the Easter trade.

NEWS OF THE TRADE.

John Walsh, manager of the Boston Co-operative Flower Growers' Association, has been seriously ill the past week, suffering from an attack of lumbago.

The trade is looking forward with great expectation to the annual spring exhibition of the Massachusetts Horticultural Society. Additional interest is taken this year from the fact that the American Rose Society will hold its annual meeting and exhibition in connection with the horticultural society's show.

H. P. S.

BELLOWS FALLS, VT.—The Green Mountain Conservatory was opened March 1 in the Times block by a Worcester, Mass., firm of florists.

KIRKSVILLE, MO.—Mrs. B. F. Eades is now about again and pushing business. This winter has been the coldest she ever experienced here.

Denver.

The weather has moderated considerably, and stock is now very plentiful. Where there were not enough roses, carnations, etc., on the market last week, everybody now has a surplus. Business is fair with all stocks, roses, carnations and bulbs at their very best.

The Mauff greenhouse, at 1225 Logan avenue, had on exhibition the past week some fine specimens of the Alice Roosevelt rose, with very long stem and elegant color.

The Porter Floral Company, at Boulder, has failed, and has gone back into the hands of the Cannon Floral Company. Mr. Porter is now out of the floral business entirely.

B.

Manchester, Mass.

The annual banquet of the North Shore Horticultural Society was held February 24. An interesting address was made by State Forester Alfred Akerman, of Boston, on "Forests." On the evening of March 3, K. Finlayson, of Jamaica Plains, delivered an address before the society on "Greenhouse Management."

MAGNOLIA GRANDIFLORA

	Per 100
5 to 6-inch high.....	\$ 5.00
8 to 10-inch high.....	8 00
15 to 18-inch high.....	15.00
20 to 24-inch high.....	30.00

All strong pot-grown plants.

JOE BROWNE, Nashville, Tenn.
Lischy Nursery and Greenhouses.

GREAT BARGAINS

In Shrubs and Roses.

400,000 Roses, 2-inch pots.	
Hydrangea P. G., 3 to 4 feet.....	\$9.00 per 100
" " 2 to 3 feet.....	6.00 per 100
500,000 Privet, prices on application.	
Clematis Pan., 2 years.....	6.00 per 100
50,000 Field-grown Phlox.	
30,000 Roses, 4-inch pots.	

—Send for Surplus List.—

The ELIZABETH NURSERY CO.

Elizabeth, N. J.

Please mention the American Florist when writing.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted for growing this line as Anemone, Aster, Campanula, Delphinium, Funkia, Hemerocallis, Hepatica, Iocarvillea, Iris, Peonies, Phlox decussata, and sultriosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (especially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

Aug. Rhotert, English Manetti Stocks

SPECIAL CULTURE OF

For Florist Rose Grafting.

Grown by MESSRS. JOHN PALMER & SONS, Annan (Scotland).

Importer, 26 Barclay St., NEW YORK.

CACTI.

We are now making a plant and seed collecting tour of Arizona. Our price list is as follows:

Agave Applanata Parryi, 10c to \$3.00.
Cactus Rainbow, 10c to 50c.
Cereus Giganteus, to 2 ft., 50c to \$1.00.
4 ft., 6 ft., 8 ft.: \$3.00, \$6.00; \$10.00.
Cereus Greggii, \$1.50 to \$3.00.
Dasylirion Wheeleri, a beautiful decorative plant; an evergreen; grayish-green flowers, hardy, height to 6 feet, 25c to \$5.00.
Echinocactus Polycapulus, variation from Grand Canyon, scarce, single, in clumps, \$1.00 to \$5.00.
Echinocactus Cylindraceus, 5 to 12-in., 25c.
3 to 4 ft., 5 to 7 ft.; \$2.50 to \$3.00, \$5.00 to \$8.00.
Echinocactus Emoryi, 5 to 12-in., 3 to 4 ft.: 25c. \$3.00.
Echinocactus Leicodeni, 6-in. to 3 ft.: 25c to \$3.00.
Echinocactus Phoeniceus, hardy, clumps, 2 to 1000 plants, 1c per plant.
Echinocereus Engelmannii, single 5c; in clumps, 25c per clump.
White-spined, semi-hardy, 25c per clump.
Echinocereus Fendleri, hardy, beautiful bloom, 25c.
Echinocereus Wislizeni, 5 to 12-in., 25c to 50c.
1 to 2 ft., 50c to \$2.50.
Mamillaria Grahamii, single; clumps, 5c.
Mamillaria Radosa Arizonica, hardy, clumps, 1c per plant.
Opuntia, 25 or more kinds, many hardy, 5c and upwards. Yucca Radosa, hardy, 25c to \$3.00.
Crates and packing material extra at cost price. Plants delivered at point of shipment. 10% discount for orders by the dozen. 20% discount for orders by the three dozen.

GEORGE & M. J. HOCHDORFFER, Flagstaff, Arizona. Collectors of Plants and Seeds.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

ELLWANGER & BARRY

Mt. Hope Nurseries, Rochester, N. Y.

Draver 1024 T Established 65 Years.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 16c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

W. van Kleef & Sons,
Wholesale Growers of all kinds NURSERY STOCK.
BOSKOOP, HOLLAND.

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Beautiful Grounds.

An Illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

California Privet 1, 2 and 3 years. Also Cuttings. Any reasonable offer will be accepted on lots of 5,000 to carloads.

RIVER VIEW NURSERIES,
J. H. O'HAGAN. LITTLE SILVER, N. J.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR SPRING SALES

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	\$.15	\$ 1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3.50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
RHODODENDRONS, for forcing, bushy plants, 8 to 12 buds.....	1.00	11.00	
For forcing, large plants, 15 to 25 buds.....	2.00	20.00	
	Doz.	100	
HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr. old, pot-grown, for forcing, 500		35.00	
CRIMSON RAMBLERS, strong, 2-year old.....	2.00	15.00	
Strong, 3-year old.....	2.50	18.00	
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00	

	Doz.	100
GRUSS au TEPLITZ, strong, 2-year old.....	\$2.00	\$15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
HERMOSA, strong, 2-year old.....	2.25	16.00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY.....	2.00	15.00
KAISERIN AUG. VICTORIA.....	2.50	20.00
PAUL NEYRON.....	2.50	20.00
LA FRANCE.....	2.00	15.00
Anna de Diesbach, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ulrich Brunner, etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Special Evergreen Offer.

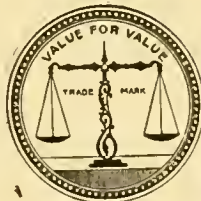
We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON, Little Rock, Ark.



RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

BAY STATE NURSERIES, North Abington, Mass



Send to THE MOON Company
For Trees, Shrubs, Vines Your and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
Morrisville, Pa.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100. \$25.00 per 1000. 2 1/2 to 3 1/2 feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits, Ltd. NAARDEN, (Holland.)

(BRANCH AT BOSKOOP.)
Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilace a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand. When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our N. R. Depot. Please mention the American Florist when writing.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.

WILL B. MUNSON, Denison, Tex.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The match between the New York Florists' Club and the Hoboken florists Saturday evening, March 4, resulted in a draw, 2,530 pins scoring for each side after three games. Philip Kessler, for the New Yorkers, made top score, 203.

At Chicago.

The ladies took an important part in the bowling match of the Florists' Club enthusiasts on Bensinger's alleys Tuesday evening, March 7. The following scores speak well of their ability, Mrs. P. J. Hauswirth doing especially well.

LADIES.

Player.	1st	2d	3d
Mrs. Asmus	120	113	102
Mrs. W. Kreitling	114	116	120
Mrs. P. J. Hauswirth	153	113	146
Mrs. Cochran	123	119	93

At Hartford, Conn.

Tuesday evening, February 28, the bowling teams of the New Haven Horticultural Society and the Hartford Florists' Club crossed lances at Hantsult's alleys, Hartford. The New Haven boys took two out of three, but the rolling was close. The scores follow:

	1st.	2nd.	3d.	Totals.
Hartford	948	1025	1056	3029
New Haven	1129	985	1063	3177

At Painesville, O.

The good work of the two Storrs & Harrison Company's teams continues. A series of two tournaments just completed, gives victory in both instances to the retailers, as follows:

RETAILERS.

Player.	1st	2d	3d
Advey	134	144	157
Delano	145	134	144
Lynch	131	139	154
Emsley	170	153	152
Murphy	166	140	156

Totals	746	710	763
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WHOLESALEERS.

Player.	1st	2d	3d
Pool	125	123	151
Bartlett	144	153	170
Hallman	162	139	142
Welch	118	204	142
Shumaker	151	143	137

Totals	700	772	742
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RETAILERS.

Player.	1st	2d	3d
Advey	140	155	195
Kalley	166	143	132
Lynch	145	130	114
Emsley	153	145	158
Murphy	148	144	174

Totals	752	717	773
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WHOLESALEERS.

Player.	1st	2d	3d
Pool	107	143	175
Bartlett	146	169	182
Hallman	166	136	150
Welch	137	128	179
Shumaker	123	128	136

Totals	679	704	822
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NEW LONDON, CONN.—The Gardeners' and Florists' Club which disbanded several months ago has been succeeded by a new organization, the Eastern Connecticut Horticultural Society. The society numbers already over 100 members, many of whom reside in Groton, Conn.

On the Way.

(Copyright 1905 by Tribune Company.)

Thought I heard a whisper in the willows
by the creek
When a laughing wind came by and
touched me on the cheek;
Surely then the willow twigs began to nod
and sigh
When the wind went romping on, a-laugh-
ing back, "Good-by."
O, the wind was warm and glad and
seemed about to sing—
Wonder if it might have been a messenger
from spring.

Thought I heard a chuckle from the water
in the stream—
Underneath the sheathing ice it long has
lain a dream—
Still, I heard a chuckle from the water
sleeping there,
When the wind came back again and rum-
pled up my hair,
When the wind came back again and
touched me on the brow—
Wonder if it meant to say that spring is
coming now?

Thought I heard a murmur from the
meadow and the hill,
Where the snow has hid the grass and
where it hides it still;
But I heard a murmur like the shadow of
a song
When the wind came back again and tar-
ried overlong.
Surely it was something like a murmur that
I heard—
Wonder if it isn't that the spring is send-
ing word?

Thought I heard a drumming very faint and
far away,
Like an army marching up the highway of
the day,
And the wind came back with melodies that
seemed to float
Like the echoed sweetness of a herald's
trumpet note!
Something seemed to whisper of the blos-
som and the bird—
Wonder if it wasn't all a hail from spring
I heard?
—Chicago Tribune.

SHERMAN, TEX.—The weather was still very cold up to February 15. On February 12 the thermometer registered 4° below zero; the same cold weather as we had six years ago.

Seasonable Seeds for Florists' Use.

VAUGHAN'S ASTERS.

"THE CARLSON." The Early Late Variety.

White, Rose Pink, Lavender, Marquis-Pink, Violet-Blue, Daybreak Pink and Mixed. Each, trade pkt., 20c; any 3 for 50c; or per ¼ oz., 30c; oz. \$1.00.

Branching or Semple. Best Late Variety.

	Trade Pkt., 10c.	¼ oz., 20c.	Oz., 60c.	Lb., \$6.50.
White				
Rose Pink				
Lavender				
Red				
Purple				
Light blue				
Daybreak pink				
Mixed				
Vaughan's Upright White Branching	.10	.20	.65	
Vaughan's Upright Pink Branching	.10	.20	.65	

NEW EVER-BLOOMING ASTER "IDEAL."

Best Early Variety.

This new Aster produces, perhaps, more salable cut flowers to a plant than any other kind. The plants grow from 16 to 18 inches high and are in bloom from the beginning of August to the end of September almost uninterruptedly. In shape the flowers resemble the Victoria type, except that the petals are looser so as to give the flowers a very graceful appearance. White, light blue, dark blue, crimson; each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.

THE NEW CACTUS ASTER PATRICK HENRY.

This is one of the best white Asters to cut. The plants grow about 16 inches high; the flowers are pure white, measure about 4½ inches across and are double to the center. The petals are twisted or rather rolled like those of a Cactus Dahlia, hence its name. The plants bloom early, about with the Giant Comet Asters. Pkt., 25c; ¼ oz., \$1.00.

COBÆA SCANDENS, Trade pkt., 10c; Oz., 40c; lb., \$4.00.

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c; 250 seeds, \$1.15; 1000 seeds, \$4.10. Price for larger lots on application.

Southern Outdoor-Grown Seed. Per 1000 seeds, \$3.00; 5000 seeds, \$12.50. ASPARAGUS PLUMOSUS ROBUSTUS, NEW. 100 seeds, \$1.00; 1000 seeds \$9.00.

DECUMBENS. Fine for Cut. 100 seeds, 50c; 1000 seeds, \$4.00.

COMORENSIS. Like a Plumosus, but grows taller and quicker and is darker in color; splendid for cut. 100 seeds \$1.00; 1000 seeds, \$7.50.

TENUISSIMUS. 100 seeds, \$1.25; 250 seeds, \$2.65.

SWEET PEAS.

	Oz.	¼ Lb.	Lb.
Best White—Dorothy Eckford	.10	.25	.75
Best Lavender—Lady Grisel Hamilton	.05	.15	.40
Best Red—King Edward VII	.10	.25	.75
Best Pink—Lovely	.05	.10	.30
Best Bright Blue—Mrs. Geo. Higginson, Jr.	.35	.95	3.50
Best Bright Blue—Flora Norton	.30	.80	3.00
Best Pink and White—Florence Fraser	.15	.45	1.75

RADISH. Scarlet Globe, Vaughan's Select stock. Oz., 10c; ¼ lb., 25c; lb., 70c.

LETTUCE. Black Seeded Simpson, Vaughan's Select stock. Oz., 10c; ¼ lb., 25c; lb., 80c.
Grand Rapids Forcing. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

EGG PLANT. N. Y. Improved. Pkt., 5c; ¼ oz., 15c; oz., 25c.

TOMATO.

	Pkt.	½ oz.	Oz.
Earliana	.10	.25	.40
Early Michigan	.10	.15	.25
Cream City	.10	.15	.25
Dwarf Champion	.10	.15	.20
New Stone	.10	.15	.25

CELERY. White Plume. .10 .15 .25
Snow White. .10 .15 .25

CABBAGE. Early All Head. Oz., 20c; ¼ lb., 60c.

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this two per cent.

VAUGHAN'S SEED STORE,
NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

Carnations

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise.....	1.00	9.00
Peru.....	1.00	9.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Enchantress.....	3.00	25.00
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay.....	4.00	30.00
Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00

	Per 100	Per 1000
Liberty.....	\$ 5.00	\$45.00
La Detroit.....	6.00	50.00
Uncle John.....	4.00	35.00
Kaiserin.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory.....	3.00	25.00
Perle.....	3.00	25.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

The King of All Scarlet Carnations

ROBERT CRAIG (Ward)

Will Not Be Disseminated Till 1906. : : :
First Delivery Commencing December 1, 1905.

THE IDEAL CHRISTMAS CARNATION.

A Genuine Non-Bursting Scarlet Lawson.
JUST THE COLOR OF THE HOLLY BERRY.

Send your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspection variety does not prove satisfactory. PRICES: \$2.50 per doz.; \$12 per 100; \$100 per 1000; 2,500 lots at \$95 per 1000; 5,000 lots at \$90 per 1000; 10,000 lots or more at \$80 per 1000.

C. W. WARD, COTTAGE GARDENS CO. Inc., Queens, N. Y.
Originator.

Has Been Awarded The Following Honors:

- PRELIMINARY CERTIFICATE.**
American Carnation Society, 92 points.
- SPECIAL DIPLOMA.**
American Institute of New York.
- FIRST-CLASS CERTIFICATE OF MERIT.**
Massachusetts Horticultural Society.
- FIRST-CLASS CERTIFICATE OF MERIT.**
Pennsylvania Horticultural Society.
- FIRST-CLASS CERTIFICATE OF MERIT.**
New York Florists' Club, 93 points.
- CRAIG CUP** for best undisseeded seedling. Philadelphia.
- C. HARTMAN KUHN SPECIAL PRIZE**
for best undisseeded seedling. Philadelphia.
- FIRST PRIZE** best 100 scarlet. Chicago.
- FIRST PRIZE** best 50 scarlet seedling. Chicago.

NEW CARNATION

William Penn

A very pleasing salable shade of pink. I have grown it for five years and it gave me more good salable flowers than any other variety up-to-date.

Should be planted by every grower of cut flowers if he wants a continuous cut of flowers the whole season. Every shoot a flower. I will mail 25 well-rooted cuttings free of charge for \$2.50; \$10 per 100; \$75 per 1000. 250 for \$12.75. 10,000 cuttings now ready. All orders filled promptly.

FRANK L. KOHR, Lancaster, Pa.
—R. F. D. No. 3—

My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white. We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

THE NEW ROSE

Wellesley

IS a Welcome Addition to the List of FORCING ROSES.

Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

PRICES:

Own Root.	Grafted.
\$ 25.....per 100	\$ 30.....per 100
\$ 55.....per 250	\$ 70.....per 250
\$100.....per 500	\$130.....per 500
\$200.....per 1000	\$260.....per 1000

WABAN ROSE CONSERVATORIES, NATICK, MASS.

JOHN N. MAY, - - - Summit, N. J.

Please mention the American Florist when writing.

Lowell, Mass.

Business during the past few weeks has been very active, with plenty of funeral orders. Then again the social element has made brisk demands for stock. The supply of cut flowers is on the increase daily. Bulbous stock, both cut and in pans, seems to be a drug. At present we are having good violet weather and this line is moving very well. John Gale is bringing in violets of grand quality and the supply is unlimited.

Owing to such an extremely cold winter, some of the growers are shy on coal and some of them are experimenting with coke and fine coal. Some of the oldtimers say they cannot recall a more severe winter.

M. A. Patten & Company, of Tewksbury, have a fine carnation in their new variety, Mikado; it is a mottled bloom, and ought to please the most exacting.

Dudley Hartford, of Bedford, the veteran dealer in green goods, was in town last Wednesday, the first time for several weeks. He has been ill with the grip.

Harvey B. Green had charge of the decorations at the board of trade banquet. Gen. Nelson A. Miles was the invited guest.

Otto H. Bourdy has been shipping some of his stock to New York city. His Fair Maid carnations are of splendid quality.

Patten, the Florist, has secured the services of Geo. Fisher, formerly of Worcester, but lately of Boston.

On March 11 Mellor & Saunders will open an up-to-date flower store at 30 Prescott street.

E. N. Peirce & Sons, of Waltham, are shipping some fine azaleas and lilies to town.

Louisville.

Business last week was very good, there being a good deal more doing than the week before. The weather has been pleasant, and those doing pruning, etc., have quite a lot on hand. The sale of seed has also started, especially so of sweet peas and grass, and the outlook is very promising. Roses are of fair quality, but the supply is rather short, although there will be a large crop soon on. The demand has been very satisfactory. Carnations can now be had in quantities about equal to the demand. The quality of all the grades is very good. Violets, principally single, have been very heavily demanded despite the increased quantities coming in. The quality shows their season is nearing its end. Mignonettes of fair quality can be had in quantities a little short of the demand. Lily of the valley, although short for a few days, can now again be had in good quantity. Green goods can now be secured in better quantities.

Nanz & Neuner are receiving plenty of carnations from their St. Matthews establishment, Enchantress being especially good. Their window always appears neat with a large assortment of flowers.

William Walker had a pretty window consisting of some good azaleas, bulbous stock, and specimen cyclamen plants.

F. L. S.

Carnations

Rooted Cuttings
Ready Now

except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.
Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000.
Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000.
Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.
White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000		Per 100	1000
Albatross, white.....	\$5.00	\$10.00	Harlowarden, crimson.....	\$2.50	\$20.00
America, red	1.75	15.00	Iodtanapolis, pink	5.00	40.00
Boston Market, white.....	3.00	20.00	Morning Glory, light pink.....	2.00	18.00
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, pink.....	3.00	25.00
Crisis, new scarlet.....	12.00	100.00	Mrs. Joost, pink.....	1.75	15.00
Crusader, red.....	5.00	40.00	Mrs. Patten, variegated.....	6.00	50.00
Dahelm, crimson.....	6.00	50.00	Nelson Fisher, deep pink.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00	Prosperity, fancy.....	3.00	25.00
Eclipse, Dorner's pink.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Enchantress, light pink.....	4.00	30.00	Red Lawson, new red.....	10.00	75.00
Estelle, scarlet.....	3.00	25.00	Richmond Gem, new scarlet.....	10.00	75.00
Fiancee, new (April 1).....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	Vesper, white.....	5.00	40.00
Flora Hill, white.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
Genevieve Lord, light pink....	1.75	15.00	White Cloud, white.....	1.75	15.00
Gov. Wolcott, white.....	2.50	20.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.
Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

FINE
STRONG
HEALTHY
CUTTINGS
ARE

Palmer's
RED
LAWSON

SOLD AT
\$10.00 per 100
40.00 per 500
75.00 per 1000
ORDER at ONCE

W. J. PALMER & SON, Lancaster, N. Y.

Please mention the American Florist when writing.

ROSES.

Now is the time to place your orders and insure getting good stock for planting.

JOHN N. MAY,
Summit, New Jersey.

PLACE YOUR NAME.....
and your specialties before the purchasing florists of the entire country
by advertising in
SEND ADVT. NOW. THE AMERICAN FLORIST.

ALEX. J. GUTTMAN, W. 52 29th st., New York City.

Montreal.

The Montreal Gardeners' and Florists' Club greatly regrets that the carnation show had to be called off, although considerable trouble had been taken to make it a success. Trophies and other prizes were guaranteed, the hall provided and so on, but the only exhibit which arrived was 1,000 carnations from the Chicago Carnation Company. A large number of outside growers had promised entries but failed to show up. The local growers did not intend to exhibit, but just to choose the varieties from which to place orders for cuttings.

The executive committee of the Canadian Horticultural Association met last week. The date of the convention will be August 10, 11 and 12. The members of the committee were entertained by Mr. Pinoteau, city gardener.

Visitors in town recently were: H. Wright, of Ottawa; J. H. Dunlop and J. A. Simmers, of Toronto.

LUCK.

Flagstaff, Ariz.

Colonel George Hochderffer, of Flagstaff and Miss Mary Johnston, of New York city, were married at Winslow, Arizona, November 8, 1904. Colonel Hochderffer has a fine ranch in the San Francisco Mountains near Flagstaff. For several years he and Dr. Purpus of San Diego, Cal., and Darmstadt, Germany, have been shipping cacti, agaves, orchids, seeds, etc., to Europe. Their shipment of Arizona and Mexican cacti to Frantz De Laet of Contich near Antwerp were awarded first prize at the Düsseldorf exposition last summer. Mrs. Hochderffer is a graduate in arts of the University of Toronto and for several years was a teacher in the Morris high school, New York city.

NOROTON HEIGHTS, CONN.—James Patience is cutting excellent carnations, including Enchantress, Prosperity, Flamingo and Harlowarden. He will devote more space next season to Bridesmaid and Kaiserin roses.

VERY LOW RATES Southwest VIA THE WABASH

Feb. 7 and 21, and March 7 and 21,
THE WABASH

will sell special homeseekers' tickets from Chicago to many points in Texas, Louisiana, Kansas, Indian and Oklahoma Territories, at \$20 for the round trip. Limit, three weeks from date of sale.

For maps, time card and full particulars, address any of the undersigned.

T. P. SCOTT, Gen'l Agt., Milwaukee, Wis.
R. S. GREENWOOD, M. P. Agt., Chicago.
F. A. PALMER, A. G. P. Agt., Chicago.
C. S. CRANE, O. P. & T. A., St. Louis.

200,000 CARNATIONS

CLEAN, HEALTHY STOCK.

Queen Louise.....	\$1.00	\$10.00
Flora Hill.....	1.00	10.00
Gov. Wolcott.....	1.00	10.00
Chicot.....	1.20	10.00
Mrs. Thos. Lawson.....	1.40	12.50
Enchantress.....	3.50	30.00
Mrs. Joost.....	1.00	10.00
Success.....	1.00	10.00

Pres. McKinley.....	\$1.40	\$12.50
G. H. Crane.....	1.00	10.00
America.....	1.00	10.00
Harlowarden.....	1.40	12.50
Prosperity.....	1.40	12.50
Armazindy.....	1.00	10.00
Viola Allen.....	1.20	11.00
Gaiety.....	1.20	11.00

Special prices on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

Receiver's Sale.

CARNATIONS. Clean, healthy Rooted Cuttings.

RED.
Manley
Mrs. Potter Palmer
Mrs. Ine
Flamingo
Harlowarden

RED.
America
PINK.
Enchantress
Mrs. Higinbotham
Mrs. Lawson

PINK.
Mrs. Nelson
Guardian Angel
WHITE.
White Cloud
Queen Louise

Bon Homme Richard
Flora Hill
VARIEGATED.
Prosperity
Armazindy
Her Majesty

ROSE PLANTS, from 2-inch pots.

American Beauty, Bridesmaid, Perles, Liberty, Bride, Golden Gate.

Shipped promptly from Greenhouses of MICHAEL WINANDY. Write for prices and terms.

EDWIN C. DAY, Receiver, 51 Wabash Ave., Chicago.

CRISIS

This **NEW CARNATION** has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$7.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	6.00	50.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	4.00	30.00
H. FENN.....	3.00	25.00
MANLEY.....	3.00	25.00
FAIR MAID.....	2.50	20.00
QUEEN.....	3.00	25.00

BACKER & CO., Billerica, Mass.

ROOTED CUTTINGS.

Fine, Clean, Healthy Stock. Satisfaction Guaranteed.

ROSES. Per 100 Per 1000

AMERICAN BEAUTY.....	\$3.00	\$25.00
LIBERTY.....	3.00	25.00
BRIDESMAID.....	1.50	12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

RED	Per 100	Per 1000
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	2.50	20.00

PINK	Per 100	Per 1000
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.00	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00

LIGHT PINK	Per 100	Per 1000
HIGINBOTHAM.....	1.00	9.00
WHITE	Per 100	Per 1000
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.25	10.00
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00

VARIEGATED
M. A. PATTEN..... 5.50 45.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

YOUR SEASON'S BUSINESS

can be started now by advertising in this journal. Don't delay in commencing next winter's business. The best orders are placed early with advertisers in

TRY THIS PLAN.

THE AMERICAN FLORIST

60,000 Grafted Rose Plants

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in 2½-inch pots, thoroughly hardened off and ready to shift into 3½-inch, the following:

	Per 100
BRIDE.....	\$10.00
BRIDESMAID.....	10.00
LA DETROIT.....	12.00
GEN. MacARTHUR.....	12.00
LIBERTY.....	12.00

ROOTED CUTTINGS.

Guaranteed all side shoots. No tops.
READY NOW.

	Per 100
BRIDE, BRIDESMAID.....	\$1.50
CHATENAY.....	1.50
LIBERTY.....	2.50
PERLE.....	2.50

CARNATIONS.

	Per 1000
GOV. WOLCOTT.....	\$12.50
WHITE CLOUD.....	12.50
NORWAY.....	12.50
LAWSON.....	12.50
MORNING GLORY.....	12.50
JOOST.....	12.50
ENCHANTRESS.....	25.00
FLAMINGO.....	50.00
CRUSADER.....	40.00
ESTELLE.....	25.00
AMERICA.....	12.50
PROSPERITY.....	12.50
GAITY.....	15.00

ALL PLANTS SHIPPED FROM
HINSDALE.

Bassett & Washburn,

Store: 76 Wabash Ave., CHICAGO.
Greenhouses: HINSDALE, ILL.

Rooted Carnation Cuttings.

	Per 100	Per 1000
PINK		
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00
WHITE		
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00
Marion.....	2.00	15.00
RED		
Flamingo.....	6.00	
Crusader.....	6.00	
Crane.....	2.00	15.00
Mrs. Patten.....	6.00	
Prosperity.....	2.50	20.00
Harlowarden.....	3.00	25.00

We can furnish Cuttings of all the
Standard Varieties.

The Leo Niessen Co.
1217 Arch St., PHILADELPHIA, PA.

CARNATIONS STRONG ROOTED CUTTINGS.

WE OFFER FIRST-CLASS STOCK OF THE FINEST VARIETIES.

Variegated Lawson. This variety which we are introducing this season we are sure will prove to be the very best variegated sort. Pure ivory white with delicate carmine pencilings. Mr. W. N. Craig, an authority on everything pertaining to horticulture, says that he knows that this variety will outbloom the favorite Mrs. M. A. Patten three to one. It has the Lawson habit and stem, and is bound to give satisfaction. \$12.00 per 100; \$100.00 per 1000.

Red Lawson. A bright red sport of Lawson that is bound to be popular, and will be grown where Lawson is popular. \$10.00 per 100; \$75.00 per 1000.

Cardinal. Bright cardinal, or crimson scarlet. Won first prize for best 100 scarlet, first prize for best 50 carnations any color, first prize for best 50 scarlet seedling, Chicago. \$12.00 per 100; \$100.00 per 1000.

Fiancee. The queen of pink carnations; in a class by itself. Magnificent flowers; strictly fancy in every respect. \$12.00 per 100; \$100.00 per 1000.

Fred. Burki. Recommended as an extra free-blooming white variety and a claimant for popular favor. \$12.00 per 100; \$100.00 per 1000.

White Lawson. We consider this variety, which we introduced last season, the most profitable white carnation ever sent out. We think it will outbloom any other white two to one. It has given great satisfaction. When the flowers are left on the plants until fully developed they are much larger than Mrs. Thos. W. Lawson. We believe this will occupy among white carnations the same place that Mrs. Thos. W. Lawson does among pink carnations. Remember that we are headquarters for it. Splendid stock ready for immediate delivery. \$7.00 per 100; \$60.00 per 1000.

LADY BOUNTIFUL. A magnificent white of last season's introduction. \$6.00 per 100; \$50.00 per 1000.

DAHEIM. Dark crimson. Grand stiff stem. Calyx never bursts. Free and abundant bloomer, developing very quickly. We consider this the best all-around crimson carnation. \$6.00 per 100; \$50.00 per 1000.

MRS. M. A. PATTEN. This grand variegated

carnation has given splendid satisfaction. \$6.00 per 100; \$50.00 per 1000.

ENCHANTRESS. Freest blooming, bringing highest market prices. \$4.00 per 100; \$30.00 per 1000.

MRS. THOS. W. LAWSON. \$3.00 per 100; \$20.00 per 1000.

PROSPERITY. A magnificent fancy carnation. \$3.00 per 100; \$20.00 per 1000.

We are now prepared to book orders for 1906 **VICTORY.**
for THE COMING SCARLET CARNATION.

This is a real bread-and-butter variety. An early, free and abundant bloomer, with good stem; a magnificent keeper and shipper; flowers of the largest size, commanding the very highest price. This is going to be a money-maker. Orders will be filled in rotation, as received. Delivery beginning December next. \$12.00 per 100; \$100.00 per 1000.

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, N. Y.

CARNATIONS

WM. PENN. A promising pink novelty, the greatest bloomer ever happened. From soil \$10 per 100; 25 for \$2.50.

Queen Louise, from soil at \$10.00 per 1000.

Floriana, from soil at \$12.50 per 1000.

Big Batch of Cuttings From Sand. Ready March 20. Send for March price list.

GERANIUMS

ROOTED CUTTINGS.

Next Delivery March 27. \$10 and \$12.50 per 1000.

100,000 Smilax. 50,000 Sprengeri.
50,000 Plumosus and Robustus.

Ready June 1. Send for prices.

ALBERT M. HERR,

Lancaster, Pa.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.
JOHN HARTJE.....

FLAMINGO

Rooted Cuttings now ready, \$6.00 per 100; \$50.00 per 1000. Cash with order from unknown parties.

L. E. MARQUISEE, Syracuse, N. Y.

CARNATIONS

ROOTED CUTTINGS.

	Per 100	Per 1000
The Queen.....	\$2.00	\$15.00
Estelle.....	2.00	15.00
Flamingo.....	3.00	25.00

E. H. BLAMEUSER, Niles Center, Ill.

The Best Florists' Paper.

AMERICAN FLORIST Co.—Enclosed find postoffice money-order (\$1) subscription for the best florists' paper.

F. R. MATHISON.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	60.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	60.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	16.00
Morning Glory.....	2.00	16.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Please mention the American Florist when writing.

Wm. P. Craig Importer and
Plants, Bulbs and Seeds. Exporter.....

1305 Filbert Street, PHILADELPHIA.
Please mention the American Florist when writing.

Buffalo.

THE MARKET.

The opening of the Park theatre called forth a fine lot of flowers. The supply of stock is good and prices are good. Daffodils and tulips are in profusion and also Dutch hyacinths which are selling.

FLORISTS' CLUB EXHIBITION.

The carnation exhibition was held as per schedule and was a good show and while the exhibitors were not numerous still it was good. Patten & Company, showed Mikado. Its similarity to Prosperity was very marked. Palmer's Red Lawson and his pink sport were fine flowers. The exhibit of Theo. Venneman, gardener to George Urban, Jr., included thirty-five varieties, all named, from the oldest of thirty-five years ago to the present date. It was decidedly a good exhibit and he deserves credit for his patience in getting them to perfection. A very pretty vase of Robt. Craig was shown and My Maryland sent by H. Weber & Sons, Oakland, Md., looked like a good flower, but it had been too long on the road. The Lake View Rose Gardens had Red Lawson and a white seedling, Gladys, which was grand. Fred Burki shown by John Murchie, Sharon, Pa., was a beautiful flower. R. Witterstaetter's Aristocrat was a beautiful flower and should be winner with the public. F. R. Pierson's Variegated Lawson and Daheim, were good. D. J. Scott had Harlowarden and Flamingo. F. B. Lewis, Lockport, had Enchantress and Red Lawson.

The points scored by each were as follows:

EXHIBITOR AND VARIETY.	POINTS.
Gutman & Weber, Victory.....	87
Lake View Rose Gardens, Gladys....	87
Patten & Company, Mikado.....	84
J. Murchie, Fred Burki.....	85
R. Witterstaetter, Afterglow.....	88
" Aristocrat.....	94
" J. A. Valentine.....	87
F. R. Pierson Company, Daheim.....	84
" Var. Lawson.....	89
W. J. Palmer & Son, Red Lawson....	88
C. W. Ward, J. D. Thompson Carnation Company, Robert Craig.....	93
C. W. Ward, Lieut. Peary.....	89

The judges were Henry Wise, Wm. Scott and C. T. Guenther. The visitors were numerous and there were: B. J. Meyers, Lancaster, N. Y.; C. H. Roney, Jamestown, N. Y.; R. Reynolds, Oil City, Pa.; C. F. and Charles Christensen, Eggertsville, N. Y.; H. J. Wise, E. Aurora, N. Y.; C. T. Guenther, Hamburg, N. Y.

The regular meeting of the club was held and nominations for officers were made as follows: President, L. H. Neubeck; vice-president, C. T. Guenther; secretary, D. B. Long; secretary, W. J. Peak; financial secretary, E. C. Bruecker; treasurer, C. H. Keitsch. The election will be held this month.

Several stores have made window decorations for the automobile show which is being held this week.

Mr. Geddis of Geddis & Blind Brothers, Pittsburg, was a recent visitor.

BISON.

BAY CITY, MICH.—Boehringer Brothers will erect in the spring three new houses, 19 x 165 feet each, to be used for smilax and asparagus, palms and ferns, and chrysanthemums. The Foley Manufacturing Company, of Chicago, will furnish the material.

ROOM WANTED. This is of interest to Cash Buyers.

ROSES.

We have 50,000 of them in 2, 2½ and 3-inch rose pots ready to go out, of following varieties: Bride, Maid, Golden Gate, Ivory, Meteor, Sour de Wootton, Kaiserio Aug. Vic., Perle des Jardins, Belle Seibrecht, La France, President Carnot, Gen. MacArthur, La Detroit, American Beauty. Send list of your wants and will name you a special price for cash. We want room.

PLUMOSUS AND SPRENGERI.

We have some extra fine plants in 2, 3, 4 and 5-inch. A special discount of 10% for cash for one week from this date. We must have room. Order quick.

BOSTON FERNS.

We offer this popular fern in 3, 4, 5, 6, 7, 8 and 10-inch pots. **PIERSONI**, in 2½, 3 and 6-inch. **SCOTTII**, in 4, 5 and 6-inch. All No. 1 plants. Also small Ferns for Ferneries. Araucarias, Ficus, etc., etc. Room and cash counts.

PLANTS IN VARIETY. Rooted Cuttings and 2-inch.

Coleus, Petunias. Geraniums in red, white, pink and salmon, rose, and Mme. Sallerol. Begonia, Rex and flowering, Sweet Alyssum, Feverfew, Cuphea, Lantanas, Moon vines, Vincas, Salvia, Alternantheras, red and yellow, Ageratums, Cobaea Scandens, Pansies—seedlings or transplanted, etc., etc.

CUT FLOWERS AND POT PLANTS.

We offer Roses, Carnations, Lilies, Cinerarias, Obconicas, Hyacinths, Tulips, Genistas, Von Sions, Paper Whites, Romans, etc., etc.

Write

GEO. A. KUHL,

Pekin, Ill.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

THE BEST. NOW READY.

WHITE.		Per 100	1000	PINK.		Per 100	1000
Lady Bountiful.....		\$8.00	\$50.00	Enchantress.....		\$3.00	\$25.00
White Lawson.....		6.00	50.00	Mrs. Lawson.....		2.00	15.00
The Belle.....		5.00	40.00	Fair Maid.....		2.00	15.00
Moonlight.....		4.00	30.00	Fiancee.....		12.00	100.00
SCARLET.				VARIEGATED and FANCY.			
Crusader.....		5.00	40.00	Mrs. M. A. Patten.....		6.00	50.00
Flamingo.....		5.00	40.00	Whitney, yellow.....		4.00	30.00
Cardinal.....		12.00	100.00	M. Field.....		3.00	25.00
CRIMSON.				Prosperity.....		2.00	15.00
Harlowarden.....		2.00	15.00				

Chicago Carnation Co.

JOLIET, ILLINOIS.

— ROOTED CUTTINGS OF —

Chrysanthemums AND Carnations

— NOW READY —

Price list mailed on application. List includes all the best commercial varieties as well as some of the tried newer sorts. Strictly first-class stock.

POEHLMANN BROS. CO., GREENHOUSES: Morton Grove, Cook County, Ill.

RICHMOND GEM. READY NOW.

	Per 100	Per 1000		Per 100	Per 1000
Lowson.....	\$1.50	\$12.50	Mrs. F. Joost.....	1.25	10.00
Boston Market.....	2.50	20.00	Prosperity.....	1.50	12.50
Queen Louise.....	1.25	10.00			

Keep in touch with "MELODY," the daybreak sport from Lawson.

Quality is Our Hobby.

W. C. HILL FLORAL CO.,

Streator, Ill.

Nice Clean Stock

ROOTED CARNATION CUTTINGS.

CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Boston Market, White Cloud and Mme. F. Joost. Also unrooted of last two varieties. Prices upon application.

C. G. VELIE & SON, Marlborough, N. Y.
Valley View Greenhouses.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON.....	\$6.00	\$50.00
FLAMINGO.....	8.00	50.00
ENCHANTRESS.....	3.00	25.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Please mention the American Florist when writing.

Bulbs and Plants.

For florists' use, spring or fall delivery. We import to order. Let us appraise your wants.

AUGUST RÖLKER & SONS, 31 Barclay St., NEW YORK, P. O. Box 752.

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaune**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75¢ per dozen; \$6.00 per 100.

Anemone Prince Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

Per doz. 100		Per doz. 100	
Achillea, The Pearl, strong 3-in. pots	\$ 75 \$ 5.00	Heliopsis Scaber Major, 4-in. pots.....	\$1.00 \$8.00
Asclepias Tuberosa, strong 1 yr. old roots	75 6.00	Hollyhocks, Dreer Superb Double in	
Asters hardy in var. strong 3-in. pots.	1.00 8.00	separate colors.....	1.25 10.00
" Edna Mercia; a fine new pink var.	2.00 15.00	Hollyhocks, Dreer Superb Double in	
" Grandiflorus; large flowered late		choice mixture.....	1.00 8.00
blue.....	2.00 15.00	Hypericum Moserianum, 3-in. pots.....	1.00 8.00
Boltonia Latifolia, 4-in. pots.....	75 6.00	Iberis Sempervirens, 3-in. pots.....	75 6.00
Asteroides, 4-in. pots.....	75 6.00	Iris Kaempferi, 24 choice named var.	1.25 10.00
Campanula Mocheimi, 3-in. pots.....	1.25 10.00	" finest mixed.....	1.00 8.00
Pyramidalis, strong 1 yr.		" Germanica, 12 choice name var....	75 6.00
clumps.....	1.00 8.00	" fine mixed.....	50 4.00
Caryopteris Mastacantha, 3-in. pots...	75 6.00	Lobelia Cardinalis, strong 4-in. pots....	75 6.00
Chrysanthemum Shasta Daisy, 2 1/4-in.		Lychnis Chalcedonica, strong 3-in. pts.	75 6.00
pots.....	60 4.00	" alba, strong 4-in	
Chrysanthemum Maximum Triumph		pots.....	75 6.00
3-in pots.....	75 6.00	" " Rubra, Fl. Pl.	
Cimicifuga Simplex (rare) strong plants	3.50 25.00	strong 3-in. pts. 2.00	15.00
Clematis Recta, strong 2 year old.....	1.50 12.00	" Viscaria Splendens, strong	
Coreopsis Lanceolata, heavy 4-in. pots...	75 5.00	4-in. pots.....	1.00 8.00
Delphinium Formosum, strong 4-in. pots	75 6.00	Lysimachia Clethroides, strong 4-in. pts	75 6.00
" Belladonna (rare) very free		Myosotis.....	50 4.00
flowering.....	2.50 20.00	" strong 3-in. pots.....	50 4.00
Dianthus Latifolius Atrococcineus, 2 1/4-		" Alpestris Grandiflora, strong	
inch pots.....	60 4.00	clumps.....	50 4.00
Digitalis Gloxiniflora, 4-in. pots.....	75 6.00	Paeonies in choice varieties; see cata-	
Doronicum Austriacum, 3-in. pots.....	1.00 8.00	logue for varieties.....	1.50 12.00
" Excelsum, 3-in. pots.....	1.00 8.00	Penstemon Gentianoides, 3-in. pots....	1.00 8.00
Erigeron Coeruleus Grandiflorus, 3-in		Physostegia Virginica, strong 4-in. pts.	75 6.00
pots.....	1.00 8.00	" alba, strong 4-in.	
Eupatrium Ageratoides, 4-in. pots.....	75 6.00	pots.....	75 6.00
" Coelestinum, 3-in. pots.....	75 6.00	Perennial Phloxes, 25 finest varieties..	75 5.00
Feverfew Little Gem, 2 1/4-in. pots.....	60 4.00	Pinks Hardy, 6 best varieties, 4-in. pts.	75 6.00
Funkia Subcordata Alba, 4-in. pots.....	1.00 8.00	Pyrethrum Uliginosum, strong plants.	75 6.00
Gaillardia Grandiflora, heavy 4-in. pots...	75 6.00	Rudbeckia Golden Glow, strong 4-in.	
Gypsophila Paniculata, strong 1 year		pots.....	75 6.00
old roots.....	75 6.00	" Purpurea, strong 4-in. pots. 1.00	8.00
Helenium Autumnale Superba, 4-in.		Scabiosa Caucasica, strong 3-in. pots...	1.00 8.00
pots.....	75 6.00	" alba, strong 3-in.	
" Pumilum, 3-in. pots.....	1.00 8.00	pots.....	1.00 8.00
" Magnificum, 3-in.		Solidago Rigida, strong 4-in. pots.....	1.25 10.00
pl.	1.25 10.00	" strong 4-in. pots.....	75 6.00
Helianthus Multiflorus Fl. Pl., strong.	75 6.00	Spiraea Aruncus, clumps.....	1.00 8.00
" Maximus, strong.....	75 6.00	" Chinensis, clumps.....	1.25 10.00
" Maximiliana, strong.....	75 6.00	" Filipedula, fl. pl., 4-in. pots....	75 6.00
" Meteor, strong.....	75 6.00	" Gigantea, clumps.....	1.25 10.00
" Soleil d'Or, strong.....	75 6.00	" Palmata, clumps.....	1.00 8.00
" Wolley Dod, strong.....	1.01 8.00	" Elegans, strong 4-in.	
Heliopsis Pitcherianus, 4-in. pots.....	1.00 8.00	pots.....	75 6.00



Per doz. 100	
Spiraea Ulmaria, strong 4-in. pots.....	\$ 75 \$ 6.00
" fl. pl., strong 4-in. pts.	75 6.00
Statice Eximia, strong 3-in. pots.....	75 6.00
" Gmelini, strong 3-in. pots.....	75 6.00
" Latifolia, strong 3-in. pots.....	75 6.00
Stokesia Cyanea, strong 3-in. pots.....	1.00 5.00
Sweet Williams, strong 4-in. pots.....	60 4.00
" large clumps.....	75 6.00
Thalictrum Aquilegifolium Atropur-	
purea, 4-in. pots.....	1.00 8.00
Thalictrum Aquilegifolium Album.	
4-in pots.....	2.00 15.00
Thalictrum Aquilegifolium Roseum	
4-in. pots.....	1.00 8.00
Trollius Aurantiacus, 4-in. pots.....	1.50 10.00
" Europaeus, 4-in. pots.....	1.00 8.00
" Japonicus Excelior, 4-in. pts. 1.50	10.00
" Orange Globe, 4-in. pots.....	2.50 18.00
Tritoma Pitzieri, strong per 1000	\$50.00 1.00 6.00
" Coralina " " 50.00 1.00 6.00	
" Macowan! " " 75.00 1.00 8.00	
" Uvaria Gra'didora, str'ng	
per 1000.....	50.00 1.00 6.00
Valeriana Coccinea, 4-in. pots.....	1.00 8.00
" alba, 4-in. pots.....	1.00 8.00
" Officinalis, 4-in. pots.....	1.00 8.00

HENRY A. DREER,

(INCORPORATED)

714 Chestnut St., Philadelphia.

SPECIAL OFFER ROOTED CUTTINGS

Strong, Healthy and Well-Rooted.

Per 100	1000	Per 100	1000
N. Flsher.....	\$5.00	Wolcott.....	\$2.00 \$18.00
Indianapolis 4.00		Lawson.....	1.25 12.00
Enchantress 2.50 \$24.00		Glacier.....	1.25 12.00
B. Market.....	1.75 15.00	Prosperity..	1.50 14.00
Estelle.....	1.75 15.00		

Double Fringed Petunias We are
headquarters for these. Six distinct novelties,
labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf),
Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD,
ILL.

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YOUNG ROSES

FOR THE TRADE.

Large Assortment: H. P., H. T., Tea, Etc.

All grown from wood taken from plants in the
field, and never forced. Figure this out for
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Stock hard and safely shipped anywhere. Send
for our low prices and let us tell you what we have.

California Rose Co., LOS ANGELES,
CAL.



cactus, \$3.00 per doz.; \$20 per 100. Other novel-
ties and standards. Also double field-grown
Hollyhocks, true to color, \$3.00 per 100. Gladioli,
Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist,
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Orchids!

Arrived in fine condition **CATILEYA MENDELLII**,
DENDROBIUM WARDIANUM, **LAELIA ANCEPS** and
ONCIDIUM TIGRINUM UNGUICULATUM. We also
offer a fine lot of well-grown bulbs of **CALANTHE**
VEITCHII.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

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Mrs. Winters

The beautiful new
white is still queen
of the world, strong
tubers, \$10.00 per
100.

Ingeborg Egeland
the leading scarlet
ties and standards. Also double field-grown
Hollyhocks, true to color, \$3.00 per 100. Gladioli,
Peonies and Hardy Plants. Send for catalogue.

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS. My well-
known strain in five true colors (seedlings), twice
transplanted from flats, including the fringed
variety, well-grown plants, \$3.00 per 100; \$25.00
per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Stanley & Co.

SOUTHGATE, ENGLAND.

The Live Orchid Importers are constantly
receiving importations of the finest character.
They Solicit Enquiries. Brazilian Species
shipped in bulk ex Brazilian Port. **Cattleya Mossiae**,
C. labiata, **C. Warnerii**, **C. Harrisoniae** now arriv-
ing in perfect, leafy, dormant condition.

Paeonias

Per 100
FESTIVA MAXIMA.....\$35.00
WHITE (generally called Queen Victoria) 9.00
FRAGRANS, the tall growing, heavy
blooming variety..... 6.00
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

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Successful Growers are Wanted

To know that they can dispose of all their surplus stock by Advertising
in the AMERICAN FLORIST. TRY IT NOW.

Toronto.

THE MARKET.

Trade the past week has been exceedingly good and stock has been cleaned up in fine shape. The supply of roses has become much larger but is yet not sufficient to supply the heavy demand. American Beauty continues in heavy demand, but few orders are filled. The plants, however, show marked improvement and buds are setting nicely. February was considerably behind the average for sunshine, but now that the weather is considerably brighter the rose crop will get heavier. The stock that is coming in is of very select grade and teas command \$15 per 100, \$8 being realized for No. 2. The carnation market has been relieved of an over-supply and whites are getting scarce. Bulbous stock, though plentiful everywhere, is meeting with fair demand, but prices have been cut very low.

NOTES.

The bulb growers are complaining of the failure in some instances of the tulip crop, the flowers of which do not develop. The bulbs look perfectly healthy and of good size, but have been gathered before they had ripened.

This city lost one of her best citizens in the death of E. F. Clarke, M. P., whose funeral created the heaviest demand for flowers which we have seen for several years.

R. Jennings, of Brampton, is cutting finely grown sweet peas; these have been specialties with him the past three years and are not equaled in this section.

Arthur Frost has a heavy crop on his ever blooming callas, but the heavy demand for funeral flowers keeps them well used up.

Wm. Fendley is cutting violets by the tens of thousands; many of his Princess have 15-inch stems and flowers like pansies.

J. H. Dunlop is sending in some well grown double lilacs and rhododendrons which meet with ready sale.

Grobba & Wandrey have been bringing in pyramid azaleas which are well flowered.

Visitors: Thomas Knight, of Julius Roehrs Company, and R. Jennings, Brampton.

H. G. D.

Orange, N. J.

Fruit under glass was made the topic of the monthly meeting of the New Jersey Floricultural Society on March 3. William Turner, superintendent of the estate of M. C. Borden, Oceanic, N. J., ex-president of the Monmouth Horticultural Society, was the speaker and treated grapes, peaches, nectarines and plums successively, their soil fertilization, fruiting and general treatment. The topic brought out a good showing of members and visitors and the discussion which followed was general.

The exhibition of flowers was the second in the contest for the society's prizes and the display of roses, orchids and carnations was, to quote the speaker of the evening, "more than creditable." A fine and rare hybrid cattleya and Dendrobium nobile grown in a 5-inch basket, with 124 flowers, from the collection of Henry Graves of Orange, flowered by Edwin Thomas, and C. Harrisoniae and C. Trianae from the

houses of William Barr, of Llewellyn Park, flowered by Arthur Bodwell, attracted much attention. The judges for the evening were Joseph A. Manda, Arthur T. Caparn and Henry Hilbig.

Thomas Jones, of Short Hills, and James Lang were placed in nomination for membership. Alex. Smith and Otto Manetz were elected members. On motion of Walter Gray, a special dahlia exhibition was decided upon and given over to the executive committee with power. J. B. D.

Wanted

100 Anligonon Leplopus.
250 Allamanda Williamsi.
200 Oleander Variegatum.

Should be pleased to receive your reply with quotations for any number you may be able to furnish of above varieties not exceeding amounts stated. Address

The TEMPLIN CO., Calla, O.

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CANNAS

Dormant roots in excellent condition. J. D. Esie, one of the very finest red varieties with green foliage, \$2.50 per 100. David Harum, bright vermilion, good bronze foliage, \$2.50 per 100. Mile. Berat, the leading pink, \$1.00 per 100; \$9.00 per 1000. Guaranteed true to name.

W. W. COLES, Kokomo, Ind.

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100,000 Alternantheras.

STRONG ROOTED CUTTINGS.

Brilliantissima, the best deep red, 75c per 100; \$6.00 per 1000. A. Nana, yellow, 50c per 100; \$4.00 per 1000. P. Major, red, 50c per 100; \$4.00 per 1000. Special prices on 5,000 or more.

DAVIS BROS., Morrison, Ill.

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The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

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HINODE FLORIST CO.

...JAPANESE NOVELTIES...

TINY PLANTS, in 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100. RHAPIS, 5 to 15 shoots, 50 cents each.

CASH WITH ORDER.

LARGEST GROWERS OF EASTER LILIES.
WOODSIDE, N. Y. and WHITESTONE, L. I., N. Y.
Please mention the American Florist when writing.

RUDBECKIA.

Extra oboloe, large clumps..... Per 100 \$5.00
Asp. Sprengeri, extra quality, 2½-in. pots... 2.00
Asp. Plumosus, extra quality, 2½-in. pots... 2.50
Asp. Plumosus, extra quality, 3-in. pots.... 4.00

JOHN BROD, Niles Center, Ill.

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The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

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LUDVIG MOLLER, Erfurt, Germany.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants.

EARLY. Yellow.—R. Halliday, Monrovia. White.—Polly Rose, Mme. Bergman, Ivory, Willowbrook, Geo. S. Kalb. Pink.—Glory of Pacific, Pink Ivory, Lady Harriet, Montmart.

MIDSEASON. Yellow.—Maj. Bonaffon, Col. Appleton, Yellow Eaton, Percy Plumridge. White.—Mrs. H. Robinson, Mrs. Weeks, T. Eaton. Pink.—Mlle. Liger, Mrs. Probin. Red.—Black Hawk, Mrs. Coombes.

LATE. Yellow.—W. H. Lincoln, H. W. Rieman. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000.

Plants from 2¼-in. pots, \$2.50 per 100; \$20 per 1000. These are all good standard varieties. Only strong healthy plants used for stock. All cuttings and plants guaranteed strictly up in quality.

TERMS: Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

Chrysanthemums

Rooted Cuttings NOW READY.

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, \$2 per 100. F. A. Cobbold, Leila Filkins, \$3 per 100. Mrs. Thirkell, \$1.50 per 100.

Asparagus Sprengeri, strong 2¼ and 3¼-in. \$1.75 per 100; \$15.00 per 1000.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

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JOHN BURTON, Assignee for ROBERT CRAIG & SON, ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Rooted Cuttings

PELARGONIUMS, 15 var., \$2.25 per 100.
VERBENAS, 30 var., 60c per 100; \$5.00 per 1000.
HELIOTROPE, 12 var., \$1.00 per 100; \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100; \$10.00 per 1000.
SALVIAS, 6 var., \$1.00 per 100; \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.
DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

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A Weekly Illustrated Journal.

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Order now, the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for \$3.00 per doz., and give tone to your establishment.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.

FOUR BARGAINS.

Asparagus Sprengeri. Bushy plants, well established, ready for a shift, from 2½-inch pots, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Feverfew. (Matricaria) Little Gem, dwarf, bushy and always in bloom. The best of all. From 2½-inch pots, \$2.50 per 100.

Violet Princess of Wales. Thrifty, fall stock from flats, \$2.50 per 100. Rooted cuttings, \$1.25 per 100.

Vinca Major Variegata. Small field-grown clumps full of ends. Excellent for spring sales. From 3-in. pots, \$5.00 per 100.

NATHAN SMITH & SON, ADRIAN, MICH.
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Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Casiers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000. Extra large plants coming in bud, \$1.00 per 100; \$8.00 per 1000.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000. **Stocks,** dbl. white for Easter, \$1 per 100; \$8 per 1000. **Daisies,** dbl. white, 75c per 100; \$5.00 per 1000. **Feverfew,** dbl. white, \$1.00 per 100; \$8.00 per 1000. **Salvia Splendens,** \$1.00 per 100.

Lobelia, dwarf blue, \$1.00 per 100. **Ageratum,** dwarf blue, 60c per 100. **Asparagus Plumosus Nanus** from flats, ready for 3-inch pots, \$2.00 per 100; 3-in. ready for 4-in., \$3.00 per 100. Plants by the 100 mailed free.

HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y.
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Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100
Asp. Plumosus Nanus, small plants to close 1.75
10 Vars. Ceraniums, 2½ pots and 2-in. pots 3.00
Alternantheras, red and yellow, March 1..... 2.00
10 Vars. Coleus, 2-in. pots, March 1..... 2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Pansies The Jennings Strain.

Fine cold-frame plants in bud and bloom. Finest mixed colors. Ready April 1st. Price, \$1.50 per 100. Cash with order.

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GROWER OF THE FINEST PANSIES.

Giant Pansies

in distinct colors or mixed. Strong transplanted in bud, \$1.25 per 100; \$10.00 per 1000; 3,000 for \$25.00.

Peonies in fine assortment. Distinct colors, named sorts, \$1.50 dozen; \$10.00 per 100; \$90.00 per 1000.

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GARDENIA PLANTS.

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex.

Cinerarias from Benary's prize show flowers saved, giant-flowered, finest colors and shades, dwarf, or semi-dwarf, makes fine selling plants for Easter; 3-in., ready for 5-in. pots, \$1.00 per 100. Cash.

Shellroad Greenhouses, Grange P. O., Balto, Md.

Easter Plants

A SPECIALTY.

Notice—Lowest prices on good stock. All showing buds and can be forced into bloom at once or can be easily kept for Easter blooming.

Spiraea Compacta, Floribunda, Japonica, all are large plants, 6-inch pots, \$2.00 per doz. **Gladstone,** from \$3.00, \$4.00 to \$5.00 per doz. **Azalea Indica,** have 1,500 **Mad. Van der Cruyssen,** as round as an apple, covered with buds, 75c, \$1.00, \$1.25 to \$1.50 each. Other leading varieties, all shades, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. **Lilium Harrisii** and **Japan Multiflorum,** 6-inch pots, from 3 buds up, 10c per bud. **White Daisies, (Marguerites),** 6-inch pots, \$2.50 per doz. **Hydrangea Otaksa,** 6-inch pots, \$3.00 to \$4.00 per doz.; 7-inch pots, 75c each.

Cineraria Hyb., 6-inch pots, \$2.00 to \$3.00 per doz.; 4 to 5-inch pots, \$1.25 per doz. **Begonia, Pres. Carnot, Flambeau** and others, 6-inch pots, \$2.50 per doz. **Roses, American Beauty,** large, 6-inch pots, 40c; **Bridea, Kaiserin, Hermosa** and other hybrids, 5½-inch pots, 25 to 30c each. **Hyacinths,** first size, 4-inch pots, all shades, \$10.00 per 100. **Dbl. Tulips, Tournesol,** 3 bulbs in a 4-inch pot, \$1.50 per dozen pots. **Daffodils, Von Sion,** double nosed, 6-inch pots, 3 in a pot, \$2.00 per doz. All bulbs dormant in cold frame, will take two to three weeks to force into bloom.

Arucaria Excelsa, 7-inch, 5 to 6 tiers, 25 to 30 and more inches high, \$1.50 each. **Ficus Elasticas,** 25 to 30 inches high, 6 to 7-inch pots, \$6.00 to \$7.00 per doz. **Primula Obconica,** 5½-inch pots, full of flowers, \$2.00 per doz.

I am the Moon Vine grower of the land. 10,000 now ready in 2½-inch pots of A. W. Smith's **Ipomea Hortiflora,** purest large white Moon Vine in the world. Price, \$5.00 per 100. Mr. Smith has a world wide reputation for them.

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Bedding Plants.

	Per 1000	Per 100— 2½-in. R. C.
Alternantheras, red and yellow, Aug. R. C. very strong....	\$ 5.00	
Ageratum dwarf, blue and white		.50
Alyssum, Giant, double sweet....	2.00	.75
Coleus, in varieties.....	2.00	
Feverfew, Little Gem.....	2.50	
Forget-me-nots	2.00	1.00
Fuchsia 6 named varieties.....	2.50	.75
Marguerites, Etoile d'Or, yellow, " Mme. Lailbert, white	1.00	1.00
Geraniums, 20 varieties.....	2.50	
Petunias, double fringed, white and in var.	2.50	1.25
Pansies, in bud and bloom.....	15.00	
Salvia, 4 named varieties.....	2.00	
Verbenas, in colors, from flats....	4.00	
Add 10c per 100 for postage on rooted cuttings. Cash please.		

LUDVIG MOSBAEK, Onarga, Ill.

Please mention the American Florist when writing.

COLEUS

ROOTED CUTTINGS

Verschaffeltii, Fire Brand, Golden Queen, Beck-with's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000.

Golden Bedder (original) and **Hero** 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

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European Horticulture.

(FROM BRITISH HORTICULTURAL PAPERS.)

CROSS FERTILIZATION OF PEAS.—The late Thomas Laxton, who may be said to have followed Thomas A. Knight and Dr. Laxton in the work of the scientific cross fertilization of culinary peas, has left on record a few conclusions he came to in reference to the work. He found that the results of experiments in crossing peas tended to show that the color of the immediate offspring or second generation sometimes follows that of the seed-bearing parent, is sometimes intermediate between that and the pollen-bearing parent, and is sometimes distinct from both; and although at times the seed partakes of the color of the pollen parent, it was not ascertained by Laxton ever to follow the exact color of that of the pollen parent. In shape the seed was frequently found to assume an intermediate character, but also followed that of either parents. In the second generation, in a single pod, the result of a cross made between peas differing in shape and color, the seeds were sometimes all intermediate, sometimes they represented either or both parents in shape or color, and sometimes both colors and characters, with their intermediates, appeared. The results also seemed to show that the third generation, that is to say, seed produced from the second generation or the immediate offspring of a cross, frequently varied from its parents in a limited manner—usually in one direction only, but the fourth generation was found to produce more numerous and wider variations, the seed often reverting partly to the color and character of its ancestors of the first generations, partly partaking of the various intermediate colors and characters, and partly sporting quite away from any of its ancestry. These sports appeared to become fixed and permanent in the next and succeeding generations; and the tendency to revert and sport thenceforth seems to become checked if not absolutely stopped. These experiments further tended to show that the height of growth is singularly influenced by crossing. A cross between two dwarf peas commonly produced some dwarf and some tall; but, on the other hand, a cross made between two tall peas did not exhibit a tendency to any diminution in height. Further, no perceptible difference appeared to result from reversing the parents; the influence of the pollen of each parent at the climax of the fourth generation producing similar results. The moral of all this appears to be that in the case of seedling peas from cross-fertilized varieties no fixity of character can be assured until the fourth or fifth generation.

IMPATIENS HOLSTII.—This fine new species of balsam closely resembles *I. Sultani*. It is of more vigorous growth than *I. Sultani*; the color of the flowers is also much more intense. They appear in groups of three or four at the top of the branches, and measure one inch to one and one half inches in diameter, and might be described as a beautiful, lively, and very brilliant vermilion. The leaves are similar to those of *I. Sultani*. The plant can be employed with advantage for the embellishment of the flower garden. The noted writer on plants, E. A. Carriere, is against the idea of cultivating this and similar plants in dry, warm houses which are unfavorable to the African balsams. On the other hand, he considers a shady position more suitable for them, because under such conditions the plants grow more vigorously, and their flowers and leaves are larger and more handsome. *I. Sultani* has been grown in the open in this country to a small extent, but it might give more satisfaction if the planters were to select a shady position for it, where the sun would not shine directly upon it. In France, *I. Sultani*, in a half-shady position in the open air, flowers from June till cut down by frost. The average summer in France is warmer than ours, but nevertheless cultivators might adopt French ideas for this species as well as the newcomer, which is almost certain to find its way to our shores before long. It may, however, be cultivated in pots for the decoration of the greenhouse or conservatory, and may be used on occasion for room decoration.

APPEAL FOR WINDOW GARDENING.—The Earl of Meath writes as follows:—It has often occurred to members of the Metropolitan Public Gardens Association how much might be done to alleviate the monotony of many of the streets in the poorer parts of the metropolis if outside window gardens could become more general than they are at present. These streets are, as a rule, too narrow for the planting of trees, consequently they contain little or nothing to relieve the eye; but a great improvement would be effected in their aspect if some of the numerous windows abutting upon the public thoroughfare could be made fresh and

gay with plants and flowers. Efforts have been made in this direction in certain parts of the metropolis, Spitalfields, Clerkenwell, Bermondsey, Battersea, etc., by organizing window-garden competitions in connection with local flower shows. In the hope of still farther extending this movement, I am anxious to state that the Metropolitan Public Gardens Association has decided to offer money for prizes to any bona-fide flower show society or other body of whose organization it may approve, willing to arrange as part of their programme for next summer outdoor window-garden competitions in poor localities in the metropolitan area. Such outdoor window gardens would include flowers and plants grown in boxes, pots, or baskets on window sills or walls facing the public streets.

GAMBLING IN POTATOES.—The mania of potato booming has surely reached its climax in the incident of the past week at Spalding, in the heart of one of the potato-growing districts. A cultivator gave £20 for a single tuber, and refused to resell it for £25, but graciously permitted another cultivator to extract a single eye for the sum of £5. It is beyond reasonable expectation to suppose that the latest of new sorts can have a chance of long retaining any stamina of constitution under such circumstances. What can be expected of these varieties when the precious plants are raised from extracted eyes, and then cut into small bits for sprouting, or reproduced from tubers, sliced into tiny fragments? However admirable may be the qualities of a new sort, they must surely succumb speedily under such unnatural conditions. To make matters worse, the potato speculation is drifting rapidly into gambling, and gambling is a near neighbor to fraud. In a catalogue which has just reached us, a notable grower hints pretty plainly at shady practices.

A LARGE VARIETY OF EDELWEISS.—To those who are interested in the cultivation of the ordinary form of edelweiss (*Leontopodium alpinum*) it will be interesting to learn that a giant variety is being brought into commerce by T. Smith, Daisy Hill, Newry, Ire. The bracts which serve to give the heads of this composite their conspicuous appearance, are said to be four inches across, which must be nearly twice the size of the ordinary one as we usually see it in this country. If it could be propagated from seeds, and remain true, it should be a valuable addition to the rock garden. The flowers of the plant are very small, and the ornamental part—or, rather, the interesting part—of the plant is due to the floral leaves termed bracts. The newcomer is named *L. Alpinum maximum*.

ERICA MEDITERRANEA HYBRIDA.—The parentage of this supposed hybrid was *Erica Mediterranea* x *carnea*. At the same time, it may only be a good variety of *E. Mediterranea*. The urceolate corolla is about the same length as that of the latter, and shorter than *E. carnea*. It is of a deep rose-purple with blackish-purple anthers. The plant is usually about a foot high, and is valuable because it commences flowering at the beginning of the year in advance of the others.

ROSE MAMIE.—Under glass this rose is a gem, every flower as perfect as Mrs. W. J. Grant. The color when forced is a lovely fresh pink, and the blossoms are very sweet. Grown outdoors its color is not quite so pleasing, but for form it will well hold its own. Mamie would make a good rose for a pillar or to plant against a low fence or wall. It will also be a most useful kind for a standard, producing long half-pendulous shoots.

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Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
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See my adv. on second cover page in American Florist of Feb. 25th.

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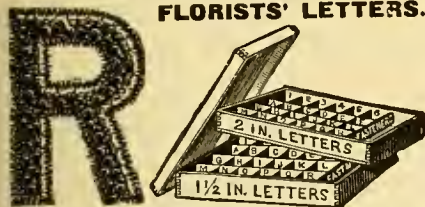
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	\$2.00	1.80	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
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1,000,000 feet of $\frac{1}{4}$ and $\frac{3}{8}$ -inch thick roofing glass, good as new.

1,000,000 feet of heavy wire netting used under this glass, No. 14 gauge.

LAWN ROLLERS.

25 Rollers, two sections, each 10x20 inches, counterbalanced handles.

ROAD SCRAPERS.

12—No. 2 American Wheel Scrapers.

25—No. 2 Western Wheel Scrapers.

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12—No. 1 Western Drag Scrapers.

12—No. 2 Western Drag Scrapers.

25—Western Railroad Plows.

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4,000 Steel Shovels. 500 Wheelbarrows. 500 Steel Picks. 600 Mattocks, Lanterns, Axes, etc. 1,000-ton Bolts, Rods, Lag Screws, Turnbuckles and Washers. 150 Track and Lever Jacks.

Thousands of other items of every kind and description. Furniture, Office Fixtures, Electrical Apparatus, etc., etc. Ask for our World's Fair Catalogue No. 47.

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West 35th and Iron Sts., CHICAGO,
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JOHN WOLF.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

THERE is no indication that the price of glass will be lower in the immediate future.

For Greenhouse Painters.

A device for holding paint cans on sloping roofs has been patented recently, says the Glassworker. It consists of a metal band to one side of which are attached two pointed legs which extend a sufficient distance below the bottom of the can to reach the lower part of the roof slope, allowing the can to stand in a perfectly level manner.

Concrete.

Concrete is finding an important new application as a setting for posts, both wood and iron, says a contemporary. When the wooden post is treated with tar and the hole around it is filled with well tamped concrete, a cheap and practicable, indestructible foundation is secured; and similar bedding gives to iron posts the stability hitherto lacking. The concrete protects the iron from rust as it does the wood from rot.

Greenhouse Building.

Amesbury, Mass.—George E. Tessimond, rebuilding two houses, one 20 x 56 feet and one 8 x 56 feet.

De Haven, Pa.—A. T. Lorch & Company will add 20,000 square feet of glass this season.

Dayton, O.—Miami Floral Company, three houses, 34x160 feet and one house 28x165 feet.

Chicago.—George Wittbold Company, two houses, each 300 feet long, at Edgebrook.

Manchester, Ia.—C. L. Adams, one house, to be erected in June.

Fairmont, W. Va.—H. Glenn Fleming, one new house.

Toledo, Ohio.—Davis & Magee will rebuild entire range.

Wichita, Kan.—Chas. P. Mueller, three houses.

Worcester, Mass.

The annual spring exhibition of the Worcester County Horticultural Society held on March 1 was a success in every way, and many exhibits of extra fine quality were shown. George McWilliams, gardener for G. Marsten Whitin, had a fine display of orchids, including calanthes, dendrobiums, and cypripediums. Col. Pfaff, of South Framingham, showed extra fine violets. H. F. A. Lange had a splendid display of carnations, azaleas, hyacinths, roses and violets, and M. J. Whittall exhibited well grown cyclamen, primulas and cinerarias.

Trade in general is fairly satisfactory and good stock, with the exception of red roses, is plentiful. Nearly all the growers are planning for new houses this spring.

H. F. Littlefield has opened a branch store in the Protective Union grocery.

Sprague Smith Company,

JOBBERS AND
MANUFACTURERS OF

WINDOW GLASS.

Greenhouse Glass A SPECIALTY.

205 Randolph Street, CHICAGO.

The James H. Rice Co.

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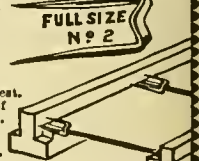
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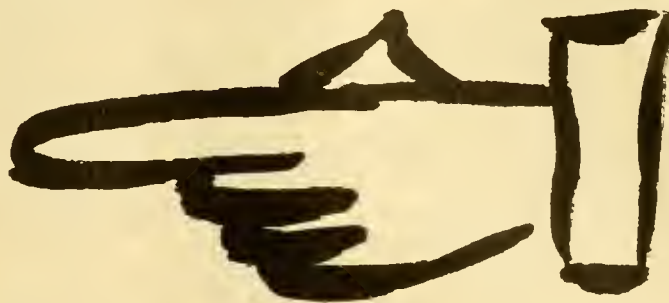
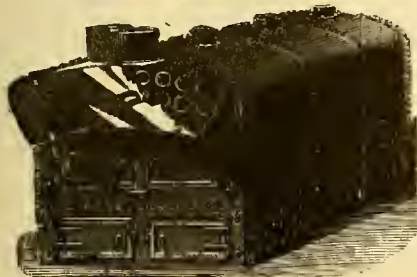
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RICHMOND, IND.

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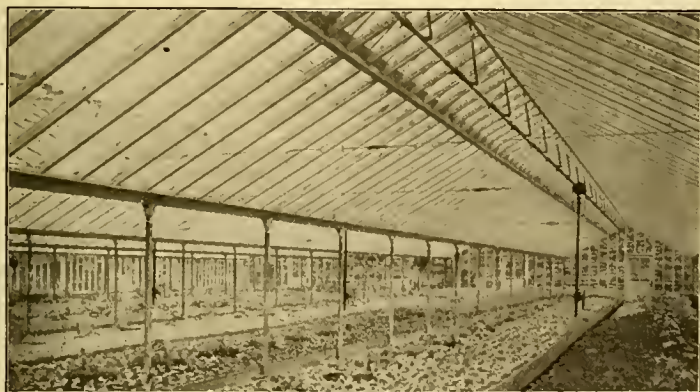
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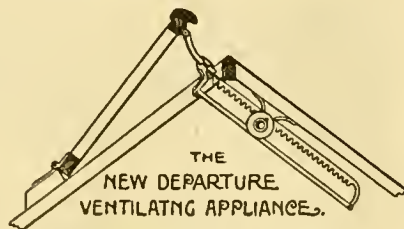
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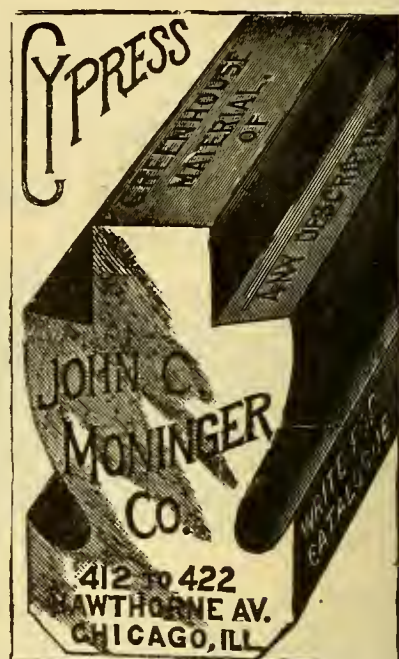
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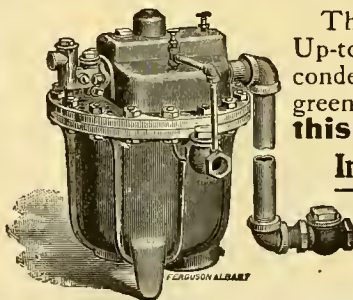


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Byer Bros., Chambersburg, Pa.

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W. & T. Smith Co., Geneva, N. Y.

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Albert M. Herr, Lancaster, Pa.

Asparagus—Asparagus plumosus, 3-in. pots, \$4 per 100; 2½-in., \$2.50 per 100; A. Sprengeri, 2½-in. pots, \$2 per 100.
John Brod, Niles Center, Ill.

Asparagus—Asparagus plumosus nanus, 2-in., \$2.50 per 100; 3-in., \$5 per 100; A. Sprengeri, 2-in., \$2 per 100.
Sherman Nursery Co., Charles City, Ia.

Asparagus—Asparagus plumosus 2 and 3-in., \$4 to \$8 per 100; A. Sprengeri, 2 and 3-in., \$3 to \$5 per 100.
Geo. M. Emmans, Newton, N. J.

Asparagus—Asparagus plumosus nanus.
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The Storrs & Harrison Co., Painesville, O.

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J. L. Dillon, Bloomsburg, Pa.

Carnation—Carnation Bride, \$6 per 100; \$50 per 1,000; Phyllis, \$12 per 100; \$100 per 1,000.
John N. May, Summit, N. J.

Carnation—Wolcott. White Cloud, Norway, Lawson, Morning Glory, Mrs. Joost at \$12.50 per 1,000; Enchantress and Estelle, \$25 per 1,000; Flamingo, \$50, and Crusader, \$40 per 1,000; America and Prosperity, \$12.50 per 1,000; Gaiety, \$15 per 1,000. All plants shipped from greenhouses, Hinsdale, Ill.

Bassett & Washburn, 76 Wabash Ave., Chicago, Ill.

Carnation—Rooted cuttings, ready now. Write for price list.
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Carnation—Rooted cuttings. Chicago, \$10 per 100, \$120 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Belle, \$5 per 100, \$45 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Peru, \$1 per 100, \$9 per 1,000. Richmond Gems, \$10 per 100, \$75 per 1,000; Crusader, \$5 per 100, \$45 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Indianapolis, \$5 per 100, \$45 per 1,000. Phyllis, \$10 per 100, \$120 per 1,000. Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Joost, \$1 per 100, \$9 per 1,000; Mrs. Higinbotham, \$1 per 100, \$9 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Nelson, \$1.50 per 100, \$11.50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Lawson, \$1.50 per 100, \$12.50 per 1,000.
Peter Reinberg, 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted cuttings. Crusader, \$5 per 100, \$45 per 1,000; Flamingo, \$5.50 per 100, \$45 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Nelson Fisher, \$6.50 per 100, \$55 per 1,000; Mrs. Nelson, \$1.50 per 100, \$12.50 per 1,000; Mrs. Lawson, \$1.50 per 100, \$12.50 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Genevieve Lord, \$1.25 per 100, \$10 per 1,000; Mrs. Joost, \$1.25 per 100, \$10 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Peru, \$1 per 100, \$9 per 1,000; White Cloud, \$1.25 per 100, \$10 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Mrs. Higinbotham, \$1 per 100, \$9 per 1,000.
Geo. Reinberg, 51 Wabash Ave., Chicago, Ill.

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Carnation—Crisis, \$12 per 100, \$100 per 1,000.
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Roses—Roses, rooted cuttings: Chateau, \$2.50 per 100, \$20 per 1,000; Uncle John, \$2.50 per 100, \$20 per 1,000; Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000; Perle, \$1.50 per 100, \$12.50 per 1,000. Roses, 2½-in. pot plants: Richmond, \$30 per 100, \$250 per 1,000; Rosalind Orr English, \$25 per 100, \$200 per 1,000; Chateau, \$4 per 100, \$30 per 1,000; Sunrise, \$4 per 100, \$30 per 1,000; Perle von Godesberg, \$5 per 100, \$40 per 1,000; Liberty, \$5 per 100, \$45 per 1,000; La Detroit, \$5 per 100, \$50 per 1,000; Uncle John, \$4 per 100, \$35 per 1,000; Kaiserin, \$4 per 100, \$30 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; Perle, \$3 per 100, \$25 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses—Rooted cuttings, American Beauty, \$3 per 100; \$25 per 1,000; Liberty, \$3 per 100, \$25.20 per 1,000; Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Golden Gate, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000.

George Reinberg, 51 Wabash Ave., Chicago.

Roses—60,000 grafted roses for forcing. Delivery April, May, June. Liberty, rose pots, \$2 per 100; 3½-in. pots, \$18 per 100; Brides, Bridesmaids, Golden Gate, Kaiserin rose pots, \$10 per 100; 3½-in. pots, \$15 per 100.

J. L. Dillon, Bloomsburg, Pa.

Roses—Roses, 2½-in. pots, \$2.50 per 100; Universal Favorite, Evergreen Gem, Bessie Brown, Manda's Triumph, So. Orange Perfection, White Memorial, Yellow Rambler, Gardenia, Helen Gould, Mme. de Watteville, Francisca Krueger, Mary Washington, Champion of the World, Emile Gonin, Frances E. Willard, Bridesmaid, Bride, Halloween. Strong semi-dormant plants, splendid for spring sales or for planting.

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Roses—Roses, 2½-in. pots, strong plants. Maid, Bride, White and Pink Cochet, \$2.50 per 100, \$20 per 1,000. American Beauties, 2½-in. pots, \$5 per 100; \$40 per 1,000; 3-in. pot plants, \$6 per 100, \$50 per 1,000.

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Roses—Hardy roses.

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Asparagus—1904 new crop asparagus

seeds. *Plumosus nanus*, 55c per 100,

\$3.50 per 1,000; *Robustus*, 85c per 100,

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Greens—Southern wild smilax, new crop.
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Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago, Ill.

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Meetings of Florists' Clubs.

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Secretary, 505 N. Eutaw street.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month, October to March inclusive. W. E. Fischer, Secretary, 18 Union Terrace, Jamaica Plain, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 383 Ellicott street. Second Tuesday of each month, at 8 p. m. William Legg, Secretary, 1440 Delaware avenue, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Haasen, Secretary, W. Galena and Excelsior street.

CHICAGO, ILL.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second and fourth Thursday of each month, at 8 p. m. Robert Johnstone, Secretary, 2361 N. Fortieth ave., Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p. m. George Murphy, Secretary, Sta. F., Cincinnati, O.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Secretary, West Park, Ohio.

DAVENPORT, IA.—Tri-City Florists' Club, meets in Davenport, Rock Island and Moline, alternately, second Thursday of each month. H. Meyer, Rock Island, Ill., Secretary.

DENVER, COLO.—Denver Floral Club, 223 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Secretary.

DETROIT, MICH.—Detroit Florists' Club, Cowie Building, Farra and Gratiot avenue. First and third Wednesday of each month at 8 p. m. J. F. Sullivan, Secretary, 214 Woodward avenue.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Secretary, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Charles M. Webster, Secretary.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Friday of each month at 8 p. m. W. W. Hunt, 80 Ann street, Hartford.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 7:30 p. m. Fred Huckriede, Secretary, Indianapolis.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redstone, Secretary.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Tuesday of each month in Empire Building, West Water and Grand ave. H. V. Hunkel, Secretary, 462 Milwaukee street.

MINNEAPOLIS, MINN.—Minneapolis Florists, Latham's Conservatory, 83 S. Tenth street. First Friday of each month, at 8 p. m. R. A. Latham, Secretary.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H. Horobin, Secretary, 23 Closse street.

NEW BEDFORD, MASS.—New Bedford Florists' Club, second Thursday of each month. William P. Pierce, Secretary.

NEW LONDON, CONN.—Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldorn, Secretary.

NEW YORK, N. Y.—New York Florists' Club, Grand Opera House Building, 8th avenue and 23d street. Second Monday of each month, at 7:30 p. m. John Young, Secretary, 51 West Twenty-eighth street, New York.

OMAHA, NEB.—Nebraska Florists' Society, City Hall. Second Thursday in each month at 8 p. m. Louis Henderson, Secretary, 1519 Farnam street, Omaha.

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce. First Tuesday of each month, at 8 p. m. Edwin Lonsdale, Secretary, Wyndmoor, Philadelphia.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue. Second Thursday of each month, at 8 p. m. H. P. Joslin, Secretary, Bea Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Providence. Second Thursday of each month, at 8 p. m. Wm. E. Chappell, Secretary, 333 Branch avenue, Providence.

RICHMOND, IND.—Richmond Florists' Club, at the green houses of members. Third Monday of each month. H. C. Chessman, Secretary.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Society, office of Huddart Floral Company, 214 E. Second South street. Second and fourth Friday of each month. P. T. Huddart, Secretary.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First Saturday and third Monday of each month. Thomas H. Munroe, Secretary.

ST. LOUIS, MO.—St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets. Second Thursday of each month, at 2 p. m. Emil Schray, Secretary, 4101 Pennsylvania avenue, St. Louis.

SEATTLE, WASH.—Seattle Commercial Horticultural Club, First and Cherry streets. At call of the president. William Hopkins, Secretary, Fifth and Galer streets.

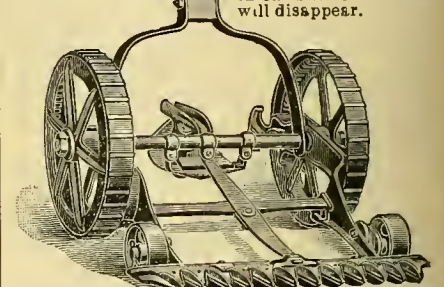
TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. E. F. Collins, Secretary, 2 Hurst place, Toronto.

WASHINGTON, D. C.—Washington Florists' Club, Schmidt's hall, 516 Ninth street, N. W. Meets first Tuesday in each month. Peter Bisset, Secretary.

UTICA, N. Y.—Utica Florists' Club, Hotel Martio. First Thursday of each month at 8 p. m. J. C. Spencer, Secretary.

PAXTON, ILL.—The greenhouse establishment of Andrew Peterson & Company has been sold to Addems, Morgan & Company, of Loda, who will take possession June 1. Mr. Peterson will remove to Hoopeston, where he owns another greenhouse.

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The Mower that will Kill all the Weeds in Your Lawn. If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-in. Mower, \$5; No. 2—15-in. Mower, \$8; No. 3—18-in. Mower, \$7; No. 4—21-in. Mower, \$8. Send draft, money-order or reg. letter.

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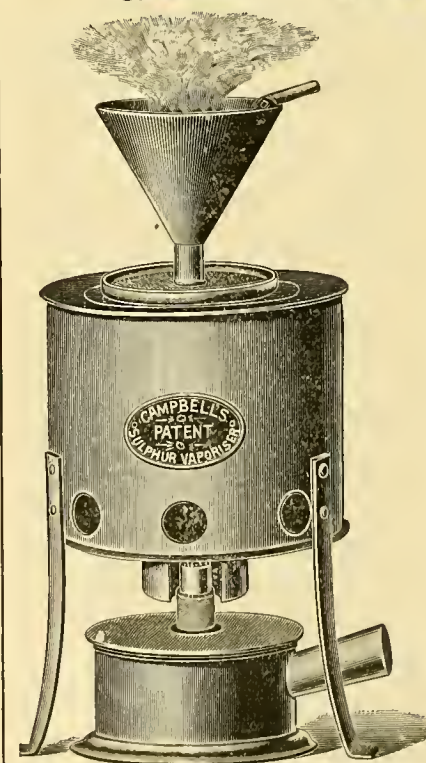
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Hundreds of Unsolicited Testimonials.

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Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

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The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet, the tube of which is loosely closed by a pyramidal hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside, thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

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The American Patent Rights of this apparatus are on sale. For particulars apply

EXORS. R. CAMPBELL, Water St., Manchester, England.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXIV.

CHICAGO AND NEW YORK, MARCH 18, 1905.

No. 876

THE AMERICAN FLORIST

TWENTIETH YEAR.

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AMERICAN PEONY SOCIETY.

Exhibition at Chicago about June 15. ARTHUR
H. FEWKES, Newton Highlands, Mass., secretary.

THIS ISSUE 48 PAGES WITH COVER.

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THE ROSE.

The New and Promising Varieties.

[Read before the Philadelphia Florists' Club at
its March meeting, by P. J. Lynch of West
Grove, Pa.]

In response to the invitation of the chairman of the committee having charge of the evening's programme, to give a "short" talk upon the new and promising roses, I think the polished diplomacy of the gentleman overcame my better judgment, for I know of no particular act of my life that justifies the honor thus paid me. Your club has ever been in the front rank in furthering the popularity of the rose, while the fame of your growers is world wide. For a slow town like Philadelphia sending safely to England's Queen, as one of your growers did, a bunch of that beautiful rose of Philadelphia origin, Queen of Edgely, savored of a pace rather difficult to overtake. Then, too, while the origin of the ever popular American Beauty (or as has been claimed Mlle. Ferdinand Jamin), is somewhat obscure, yet it first attained prominence as a commercial variety through the foresight of a Philadelphia grower. Even that much discussed variety that to-day for amateur cultivation is perhaps the leading rose of its color, achieved notoriety through one of your local growers. Though gallantry was at stake as to whether it should be named for the Bishop or the Lady, the Bishop won. I refer to Baldwin Helen Gould. I might mention a host of now famous varieties, such as Wm. Francis Bennet, Souvenir de Wootton, Golden Gate, Princess Bonnie, Pink Souper, Marion Dingee and many others whose rise to fame and popularity came through the intelligent efforts of growers of Philadelphia and its environs. With these facts in mind I approach this subject with considerable apprehension.

I am conscious of the fact that in the brief limitations of this paper it will be impossible to cover the subject completely and accurately. I shall therefore give you my observations as they have occurred to me in the daily contact with over a thousand different varieties of roses, coming, as they have, from all parts of the world. I shall speak only of roses now in commerce, and while some varieties may be mentioned that are not entirely new so far

as recent origin is concerned, yet it is to be borne in mind that there are a great many roses "born to blush unseen and waste their sweetness on the desert air;" many for years remained unnoticed with their latent beauty undeveloped, until through sheer force of worth they rose to fame and glory. We have notable instances of this fact in Golden Gate, and more lately that Irish beauty, Killarney. I shall also give equal prominence to varieties that are undoubtedly valuable, not only for forcing purposes, but those varieties appealing to amateur growers, whose ranks are constantly increasing. Of this class, for whom I feel better fitted to speak than from a strictly professional standpoint, I can say that it is a gratifying indication of the rapidly increasing love for the queen of flowers, that the average amateur enthusiast—and there are thousands of them in all sections of the land—is keenly alert to the improvements of the rose, and not infrequently have a knowledge of varieties as accurate as that of the professional grower. This growing interest of the masses bodes well for the future of the rose, and should prove a stimulus to American hybridizers, who may feel assured if their creations have merit that the rose loving public will be quick to give them deserving recognition.

It seems fitting that I recommend at the outset that sensational new rose Mme. Norbert Levavasseur, or Baby Rambler. This vivacious French debutante is the rose that blooms every day in the year. Growing in its full vigor twenty inches high, with finely polished dark green foliage, with which it is abundantly supplied, it forms a compact bush, which with ordinary care is a mass of shining crimson beauty. For every purpose from the florists' standpoint it possesses the highest value, and for the amateur it is equally valuable. It is indeed a perpetual blooming dwarf Crimson Rambler. In the Rambler class may be also mentioned a variety that does not seem to gain the recognition it deserves as a rose of splendid worth—Dorothy Perkins. It is a true Rambler, particularly valuable for Christmas work, and equally as valuable in the open ground; thoroughly hardy, bearing in large clusters beautiful clear, shell pink flowers, of excellent substance. Philadelphia Rambler, a recent introduction, bears out all that is claimed for it, and in some respects is an improve-

ment over the old reliable Crimson Rambler.

One of the most unique and valuable of the newer roses is Soleil d'Or, the first of a new race, a cross between Persian Yellow and Antoine Ducher. It forms a strong, sturdy bush, very robust in habit, with foliage that emits the true Sweetbriar fragrance. The flowers are sunset yellow or reddish gold, and are highly fragrant; hardy everywhere; splendid for single specimens or for hedges. In this same class of hardy roses of the Rugosa and Sweetbriar type may be mentioned Sir Thomas Lipton, a Rugosa rose. The flowers are large, very double, pure white and fragrant. It is freer blooming than any other Rugosa, and will prove a splendid variety for hedging purposes. From Germany comes another great new hardy rose, Frau Karl Druschki. The flowers are almost as large as American Beauty, deliciously fragrant, full, deep and double. This variety may be called a free blooming Hybrid Perpetual, being a cross between Merveille de Lyon and Mad. Caroline Testout. The color is snow-white. Apart from Margaret Dickson we do not have a really great white rose in this class, and this variety may be considered one of the best, if not the best hardy hybrid perpetual rose of its color.

Among the newer hybrid teas of prominence and merit we have Bessie Brown, a really wonderful rose, with large, double, deep flowers, borne on strong, erect stems, after the style of President Carnot, which it resembles in growth and somewhat in flower, but is distinct enough to deserve a place at the head of the list. We hear but little of the rose that bears the honored name of Admiral Schley, which as a pot plant possesses rare value. The color is rich, glowing, velvety crimson. The flowers have unusual substance, a valuable point, are delightfully fragrant and borne in great abundance. A clean, healthy, dwarf grower, with splendid foliage. Since Killarney has become recognized as a rose of more than ordinary merit, such roses as Mad. Jules Grolez, its counterpart in color and almost equal in flower, remains unnoticed. A splendid grower, and with proper management should prove a strong competitor of Killarney. The list is incomplete without Lady Joy, a cross between American Beauty and Belle Siebrecht, a royal parentage; flowers large, cup shaped, almost double, with enormous shell-like petals of good substance, highly fragrant; the color is new—lively crimson. Mrs. Robert Garrett is of the same type, but not as free blooming; immense, bright clear pink flowers. We cannot omit Winnie Davis, one of the fairest of the newer hybrid tea roses. Very free blooming, of good habit of growth, with immense, long, heavy buds, splendidly formed, developing into unusually large flowers. Color bright apricot-pink, shading flesh tint at the base of petals.

Right here I wish to compliment our American rose growers upon the splendid results achieved in producing new roses of merit. Fully conscious of what our brothers across the sea have done for the rose, for which we are indebted to them, I would say naught against the magnificent work they have done, and are doing. Unlike our American growers, however, who hesitate to offer a

rose unless it be of pronounced merit, from my own personal experience each year hundreds of varieties are produced in Europe, many of which have little or no merit to commend them. I know of nothing that is so fraught with pleasure, as well as disappointment, as the trying out of new roses, and it has been the practice of our company up until recent years to try out the new roses of Europe as they have been introduced, and I can say that the large majority of these new varieties of foreign origin have been disappointing. Therefore our American growers are to be not only congratulated, but also commended upon the work that they are doing, and the precaution shown in introducing any and every seedling they originate.

I need not call attention to Mr. Hill's splendid new rose Richmond. It has spoken for itself, and as a candidate



Cattleya Trianae, var. Backhousiana.

for popular favor in the class of red forcing roses it seems to be a decided improvement over any we have at this time. Rosalind Orr English is another promising hybrid tea. Mr. John Cook, to whom we doff our hats as one of the veteran introducers of meritorious new roses, contributes Cardinal, a beautiful crimson hybrid tea, and Eachauter, an extremely free blooming variety with large, clear, bright pink flowers. Mr. Cook selects this variety as the best of over five hundred seedlings. Let me recommend Souvenir de Pierre Notting as one of the best roses for all around purposes introduced in many years. It will take front rank, if not surpass from every standpoint, white and pink Maman Cochet, the best roses for summer flowering in the open ground. This new variety is a splendid grower, throwing up beautiful flowers on long, stiff, erect stems. The bloom is large and double, opens easily and possesses unusual substance. Difficult to describe, apricot-yellow, tinged with golden, mixed with orange yellow, while the edges of the petals are shaded carmine. Every florist who has a foot of ground for summer roses should have this rose.

Mad. Derepas-Matrat has established itself as a companion to the Cochet roses, which it resembles in every particular, except the color is deep yellow.

The following varieties are also among the most promising of the newer sorts: Canadian Queen is an improvement over Mrs. J. Pierpont Morgan, Mad. Cusin and Mrs. Oliver Ames, the latter of which it resembles in color; General MacArthur, a vivid crimson hybrid tea; Red Chatenay, deeper in color than the parent; Uncle John, more pronounced in color than Golden Gate; Beauty of Rosemawr, rich carmine red, valuable for outdoor purposes; La Detroit, distinct and valuable, shell pink, good for forcing; Saxonia, worth trying as an improvement over Golden Gate; Mrs. B. R. Cant, unusually valuable for amateur cultivation, better than Papa Gontier; Aurora, an improvement over Hermosa; Franz Deegen, an immense, deep, double yellow rose, alike in habit and growth with Kaiserin Augusta Victoria, and far superior to Perle von Godesberg, sent out as Yellow Kaiserin; Florence Pemberton, a strong growing hybrid tea, large shell pink flowers, good for open ground work. Maddalena Scalarandis will rank with the Cochet roses outdoors; color rich, dark pink, on yellow ground. Ideal ranks with Bridesmaid and La France, pink in color.

As an example of an exceedingly rare rose I mention the variety York and Lancaster, which dates back to the War of Roses between the royal houses of York and Lancaster, said to have originated when these warring factions became united, its colors representing the white of the Yorkists and the red of the Lancastrians, the flower being a combination of red and white, blotched and striped. Magnafano is a free blooming hybrid tea, with large, double pink flowers. Wellesley is a remarkably free flowering forcing variety. The color is bright pink; a good keeper.

For greenhouse men doing a local trade there is always a demand for a hardy ever-blooming climbing rose. To meet this demand there is no better variety than climbing Clothilde Soupert.

The list of the newer and promising varieties could be extended to considerable length, but I feel that I have already encroached too far upon the patience of you gentlemen, and in thanking you for your kind attention I wish to express the hope that I may have said something of value to growers, as well as helped deserving roses to great popularity.

P. J. LYNCH.

Cattleya Trianae Backhousiana.

We reproduce herewith a good photograph of Cattleya Trianae, var. Backhousiana which is at present in bloom in the orchid collection of E. G. Uihlein, Chicago. This is not only a very handsome variety but also very rare. The flowers are well shaped; sepals and petals bluish pink, flaked at the tips with bright magenta; lip round with a large blotch of deep purple; throat intense yellow. While the ordinary Cattleya Trianae can be purchased at \$2 to \$5 for good pieces, Mr. Uihlein has declined an offer of \$250 for this plant from one of the largest orchid dealers in England. It is certainly a gem.



CRATÆGUS ELLWANGERIANA.

(The Scarlet Haw.)

Desirable American Hawthorns.

PART I.

Apropos of our notes in the AMERICAN FLORIST of February 11, on the recent discovery of so many new American hawthorns, the question may be raised how they are to be obtained by any persons who should want to plant them? In the meantime so far as we know the Arnold Arboretum is the only place where the new species of *crataegus* are being systematically propagated, and we believe that Professor Sargent is distributing them as soon as they are available, to other arboreta, and some of the most progressive and influential nurseries throughout the world. We notice that in the latest catalogue of the Lemoines, of Nancy, France, they have twenty of the new species of *crataegus* listed. In the catalogue of the Vilmorin Fruitiectum, of France, recently issued, there are one hundred and fifty of the new American *crataegus* included. The indications are that before long, many of the best new ornamental hawthorns will be offered by the leading nurserymen of the world.

We will give brief descriptions of some of the most desirable hawthorns of which we have personal knowledge. *Crataegus Ellwangeriana*, Sargent, a species that belongs to the molles sec-

tion, in which all the species are characterized by large, handsome, showy fruit more or less edible; is quite common in Western New York, and Professor Sargent lately informs me that it appears to be common in Eastern Pennsylvania. It forms a handsome tree twenty-five or more feet in height, with a trunk a foot in diameter, and branching six to seven feet above the ground into a spreading symmetrical head twenty-five to thirty feet in diameter. The flowers, with ten stamened rose colored anthers, are borne on large, densely pubescent corymbs, and come into bloom about May 20. The drooping clusters of crimson, lustrous, oblong fruit, somewhat rounded at the ends, ripens in the first of September, and falls towards the end of the month. The leaves are oval, broadly cuneate at the base, large, dark green, and very characteristic. This handsome hawthorn is associated with the name of George Ellwanger the well known venerable nurseryman. When covered with its handsome ripe fruit in September it looks magnificently.

Crataegus Pringlei, Sargent, a molles species, first observed in the Champlain valley by the well known botanist C. G. Pringle, but which appears to be widely distributed throughout Western New York, and Ontario, Canada. We saw it at London, Ontario, forming a

tree twenty to thirty feet in height. In normal conditions it forms a dense oval, compact head, branching two or three feet above the ground. The ten stamened flowers, with pink-red anthers, borne on pubescent corymbs, come into bloom about May 15. The oblong, dull red, drooping fruit, occasionally marked with yellowish freckles ripens about the end of August, and falls towards the middle of September. This hawthorn can always be distinguished wherever it occurs by the drooping tendency of the leaves, and a convex form, by the infolding of the sides towards the mid-ribs.

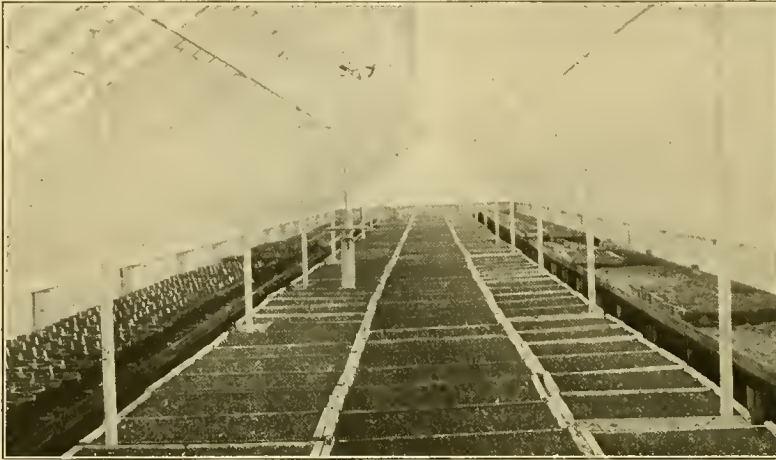
Crataegus spissiflora, Sargent, a molles species, first observed by the writer in Genesee Valley park, Rochester, in 1901, occasionally forms a tree, but is usually shrubby in habit, and is known from Western New York to Toronto. It generally forms a dense oblong head. The flowers with ten stamens and purple-red anthers are borne in dense, short, hairy corymbs and come into bloom from May 15 to 20. The bright scarlet, oblong, slightly pear-shaped fruit, which is borne on short stalks, and forms dense short clusters, begins to color at the end of August, and is not fully ripe until the middle of September. The leaves are ample, oblong-ovate, and frequently cordate at the base. The fruit of this species looks

remarkably handsome in September.

Cratægus Arnoldiana, Sargent, is a molles species, first detected growing wild on a slope in the Arnold Arboretum, and grows into a tree fifteen to twenty feet in height, with ascending branches forming a broad open irregular head. The ten stamened, yellow anthered flowers are borne on lax, many-flowered tomentose corymbs, and blossom towards the end of May. The bright crimson, subglobose fruit, usually

of May. The distinctly oblong fruit tapering towards the apex, and bright crimson and lustrous, ripens and falls early in September. The leaves are ovate-oblong, with prominent lobes, and long sharp teeth, and with a yellowish-green cast. JOHN DUNBAR.

BEAR LAKE, MICH.—The Manistee Floral Company, held an Inauguration day opening, presenting a red carnation to every caller.



PROPAGATING FERNS AT ANDERSON & CHRISTENSEN'S, SHORT HILLS, N. J.

a little longer than broad, ripens about the middle of August and falls by the first of September. The leaves are broadly ovate, to oval, and usually with a broadly wedge-shaped base, and dark green. *Cratægus Arnoldiana* is distinctive for the early ripening of its brilliantly colored fruit in summer, or early autumn. We were much impressed with the beauty of this hawthorn when we first saw it in the Arnold Arboretum. We understand it is quite extensively cultivated around Boston.

Cratægus pedicellata, Sargent, a species in the lobulata section, all of which are characterized by large, broad, deeply lobed, more or less thin leaves, and large, oblong, scarlet fruit; was first observed in Genesee Valley park, Rochester, in 1900, and is quite abundant from Western New York to Toronto. The seven to ten stamened flowers, with rose colored anthers, on long stalks, in loose slightly hairy corymbs, come into bloom about May 25. The smooth oblong, bright scarlet fruit, ripens about the first of September, and falls about the middle of the month. The leaves are usually broadly oval, and rounded at the base, and rich dark green throughout the season. Professor Sargent regards *C. pedicellata* as "one of the largest and most beautiful thorn-trees of the northern United States."

Cratægus Holmesiana, Ashe, a lobulata species, is a very common and widely distributed form, and one of the most easily recognized. It is frequently a tree thirty feet in height, with upright branches and usually forming a broad compact head. It is found from Central New York to Quebec, and throughout New Hampshire, Massachusetts and Pennsylvania. The cup-shaped flowers, with five to eight stamens, and purple-red anthers, on nearly smooth corymbs, but occasionally slightly hairy, blossom about the middle

WITH THE GROWERS

In Metropolitan Suburbs.

Visitors to the establishment of Anderson & Christensen, Short Hills, N. J., just now will see the preparations made for a large production of small ferns, a branch of the florists' business in which this firm has attained much prominence.

The firm is snugly ensconced in their new range of houses, erected last summer, and their plans for the near future are demonstrated in the work now going on. The preparations for the production of small ferns for jardinières and dishes are perhaps most to be noticed. One of the six new houses is set apart as a nursery, or, as it might

seem, a hatchery. Fern spores are brought along in pots until little more than distinguishable, and are then pricked out and transplanted in rows in flats and thus carried until potted.

Upward of 2,000 of these flats will pass through this "hatchery" in the near future, and the firm expects to have a stock of more than half a million in due course. Small ferns are not the only specialty here, as is evidenced by the three fine houses of *Cibotium Schiedeii*, which seems to do particularly well here. The plants are to be seen in various shapes from the smallest sizes to the finest of specimen plants.

The seven houses of John Wilson, also at Short Hills, are also very interesting just now, notwithstanding that the plants are off crop to a considerable extent. Mr. Wilson seems to be a past master in the art of producing "toppers" in his benches, the majority of the blooms nearing the cut appearing to be mounted on canes rather than ordinary stems. Mr. Wilson is a believer in top-dressings applied judiciously and with an understanding born of experiment. Results in his houses certainly show that he has taken advantage of his observations. Bride, Bridesmaid, Golden Gate, and the old-fashioned but ever sweet pink *Bon Silene* are the varieties grown.

Henry Weston, of Hempstead, L. I., has some fine houses of carnations, from which he is cutting heavily every day for the New York market. A goodly portion of his glass area is, however, reserved for small ferns, of which he makes a specialty. Bedding plants are also to be seen at his establishment in profusion, coleus predominating. He has just completed the erection of a new 150-foot house, and has it planted with sweet peas.

John Reimels, Woodhaven, L. I., N. Y.

A visit to the establishment of John Reimels at Woodhaven, L. I., at this time well repays the discomfort of a journey there on foot. Mr. Reimels is a carnation specialist, and like all enthusiasts in this line has some promising seedlings which he is watching closely. Among these is a silvery pink variety which he is about to propagate for a fourth season, and a crimson of extraor-



CIBOTIUM SCHIEDEI AT ANDERSON & CHRISTENSEN'S, SHORT HILLS, N. J.

dinary free blooming tendency and brilliant color which looks like a winner. Another seedling originating in the establishment is a variegated Lawson, now in fine shape, and of which a small stock has been disseminated this year. This variety appears to be a very free bloomer, stout in stem, and has a large, full flower.

Of standard varieties the most interesting is a couple of benches of Wolcott.

MARKET GARDENS.

Prices of Indoor Vegetables.

Prices of indoor vegetables at leading points March 11 were as follows: New York, cucumbers, No. 1, \$1.25 to \$1.75 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 65

Seasonable Suggestions.

This is the season when the market gardener is busily preparing vegetable plants for spring sales and for use in his own establishment. Considerable forethought is necessary in handling these plants so they do not become drawn or spindly, a condition likely to arise when space is at a premium. It is necessary when sowing, to have a number of each variety of vegetable plants representing early, mid-season and late, and in selecting these some consideration must be given to those varieties which have become locally well known. An important matter is transplanting the seedlings before they become spindly and weak; whatever the method employed in the hot-beds or flats, this operation cannot be deferred.

THE COLD FRAME.—We have previously referred to the many uses in which the cold frame is employed. One for instance is placing a little hot-bed material in them and placing the flats of transplanted vegetable plants thereon. This encourages the growth of the plants and they are then in a good position for gradually hardening off. Another purpose is for hastening a crop of lettuce. Hardy and thrifty lettuce plants set out nine inches apart at this season will mature considerably ahead of that planted or sowed outside. In making use of the cold frames at this season the soil should be made in the best possible condition to encourage plant growth. It should be renewed and lightened with an admixture of sand if necessary. The manure should be well rotted and liberally applied. Many market gardeners have adopted very thorough methods in preparing the manure for such purposes. In order to get it thoroughly rotted down they turn it frequently through the fall and winter months and consider the labor well spent. After the plants are set out, covering the sash with mats and shutters at night will be advisable for some time. No opportunity should be missed, however, when the weather is favorable, to air them, and an occasional stirring of the surface of the beds will be beneficial.

If one has a frame of sufficient depth cauliflower can be admirably and profitably grown at this season. We have



MUSHROOMS GROWN UNDER GREENHOUSE BENCH.

This carnation appears to do particularly well here, the benches almost a solid mass of bloom and bud, the blooms perfect in shape and with good calyxes. Other varieties to be seen are Scott, Enchantress, Mrs. T. W. Lawson, Prosperity, and Harry Fenn, all showing excellent cultivation. While most of the houses are used for carnations, there is a fine house of sweet peas to command attention. The blooms are pink and white in color, very bright and with long stems. Between the rows the space is used for geraniums.

Begonias.

It was mainly due to the enthusiasm and achievements of the late John Laing in England that for twenty-five years or more, interest in begonias (tuberous begonias especially) never diminished in that country, and this fact seems much plainer now to many who realize that the cause of the neglect of begonias during the last year or two is attributable to the absence of one who labored long and hard and successfully to keep them to the front there and also here.

It might be expected that losing the fostering care of their champion, protector, and in some degree their originator, begonias would suffer temporarily, but that the neglect and suffering was but temporary is evident now when we see renewed interest taken in them, and it is pleasant to note this when it is considered how beautiful they are and how well they adapt themselves to many different conditions and lend themselves to so many purposes with less trouble and a greater certainty of success than any other class of plants we know.

DAVID McINTOSH.

cents per pound; radishes, \$2 to \$3 per 100; tomatoes, 10 cents to 25 cents per pound; rhubarb, \$3.50 to \$5 per 100 bunches. Buffalo, cucumbers, \$1 to \$1.50 per dozen. Pittsburg, cucumbers, \$1 to \$1.50 per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Detroit, cucumbers, \$2 per dozen; lettuce, 12 cents to 13 cents per pound. St. Louis, cucumbers, \$1.50 to \$1.75 per dozen. Chicago, mushrooms, 15 cents to 40 cents per pound. Denver, cucumbers, \$2 to \$2.50 per dozen. Cincinnati, cucumbers, \$1.75 to \$2 per dozen. Kansas City, mushrooms, 35 cents to 40 cents per pound.



HASTENING THE LETTUCE IN COLD FRAMES.

always prepared thrifty plants for such purposes when the winter's back was broken, and by planting eighteen inches or two feet apart and allowing at least two feet of head room, cauliflower of choice quality will be forthcoming in May. The time is well suited for the further making up of hot-beds which by many market gardeners are utilized for transplanting vegetable plants. For those beds previously planted the admission of air on all favorable occasions is necessary for their well being.

CUCUMBERS.—Preparations are going forward in many places to plant out the cucumbers. Where the house was previously employed for growing lettuce and on solid beds, it is necessary to apply some bottom heat to give the plants the necessary impetus. In solid beds a trench, 18x18 inches, may be dug and filled in with well prepared hot-bed material. A mound of fresh soil every three and one-half feet should be made and the cucumber plant carefully planted. A support for the vines must be provided; a good method is an inverted V-shaped trellis which should stand four feet high. A row of plants both sides the trellis may be planted and if the house is wide enough two or more trellises may be used. A moist and growing atmosphere must be applied but by judicious management of the ventilators a great deal of firing may be saved. A temperature of 60° or 65° at night and a rise to 80° by day will be necessary.

MUSHROOMS, SOME FIGURES.—So much has been written and said of the profits in mushroom growing that a few actual figures from the results of an experimental bed, cared for by one who has grown mushrooms to some extent for the past twenty years may be interesting. A further incentive was to prove or disprove to the readers of the "Market Gardens" column in the AMERICAN FLORIST what returns were possible with reasonable care. Every phase of the subject has been imitated as near as possible to the average market gardener's conditions. The bed was made up under a bench in the greenhouse which averaged 50° night temperature. Bed made up November 19; spawned November 30; first picking, January 6; dimensions of bed, 75 square feet. The product has been sold mostly wholesale, the prices ranging from 25 cents per pound to 40 cents per pound. When the crop was heaviest shipments have been made 100 miles to a commission merchant; which after commission and expressage have netted 33 cents per pound. At the present time 50 pounds of mushrooms have been gathered; these have an average of 35 cents per pound or \$17.50. Thus the average has been three-fourths pound per square foot at a fraction over 23 cents.

A few details about the management of the bed: The bed was boarded in with a slanting roof to prevent drip from the bench above. This left the front open and allowed free access to the bed. A canvas cloth was hung over the opening; thus the fluctuation in temperature of the house was modified as far as the bed was concerned. No water was applied until the first mushrooms appeared and then at a temperature of 90°. Fresh soil was added whenever the removal of clusters made hollow places. Water was applied in sufficient quantity to reach the base or

root of the mushroom whenever signs of dryness appeared on removing them. After the first heavy crop all applications of water had a heaping tablespoonful of nitrate of soda added to each pail of water, sometimes alternating with cow manure water. All unused or decaying mushrooms were promptly removed. One pound lots were sold in quart strawberry boxes.

The market gardener must take into consideration the price of manure and labor involved. Such a crop and price are only average; but does the problem present any features, whereby growing mushrooms as an adjunct to his business will be profitable?

FRANCIS CANNINO.

New York.

MARKET SLUMPS.

The market has gone from bad to worse. Supplies are heavier, and the demand wretchedly slow. Roses, which have been fairly strong all along, took a drop during the latter half of last week, and prices are anywhere, the tumble being woefully apparent all along the line. The demand perhaps is not so very unusually light, but there is no doubt about it, that the influx of stock is more than it should be. Backward weather, followed by bright days, is of course somewhat responsible for conditions, as far as arrivals are concerned, but the demand should be better than it is in spite of the season. Hardly anything shows any strength, and commission men who take the chances of the ice-box find they do not improve their prospects of getting better figures. Violets are moving, but there is no price to them, and the bulk of sales is made at ridiculously low figures, but in the scale of prices strictly proportionate as to quality. Tulips can be had in good stock at almost one-third of last week's prices. Lily of the valley, while good in grade, goes slow at the two cent price. Carnations are still more than plentiful and sales are made mostly on the lower planes. Fairly good stock can be bought at \$1 per hundred. Daffodils, narcissus and hyacinths are all plentiful but prices are practically unquotable.

TRADE NOTES.

J. H. Eisenberg, of Astoria, L. I., is cutting from a fine house of longiflorum lilies. He is preparing to build a new greenhouse 100 x 37 feet at Far Rockaway, L. I., his increasing business at that resort necessitating better local facilities for carrying stock.

John N. May, of Summit, N. J., sailed for the south last week, where he will sojourn for a while for the benefit of his health. During his absence the business will continue under the able management of his son, Harry O. May.

James J. Mulry, formerly with Sigmund Geller, will in future represent Reed & Keller, manufacturers of florists' supplies, and Leon & Wertheimer, ribbon manufacturers, in eastern and southern territory.

The meeting of the Horticultural Society of New York scheduled for March 8 was abandoned, owing to the poor transportation facilities existing that day, due to the strikes on the subway and elevated roads.

A. L. Miller, of Jamaica avenue, Brooklyn, is about to erect two new

greenhouses at his Jamaica establishment on Rockaway road.

The many friends of John Gunther will be glad to hear that he has passed the crisis in his fever and is on a fair road to recovery.

H. J. Ramm of Secaucus died on Saturday, March 11, his death being due to a complication of diseases.

Charles Munro, of New Haven, Conn., was a recent visitor in New York.

Visitors: Mr. Schoenhut, New York; Mr. Mann, of Mann & Brown, Richmond, Va.

Chicago.

THE MARKET.

The mantle of Lenten dullness has spread itself over this market to a very perceptible extent and were it not for the fact that country purchases have been fairly numerous it would puzzle some of the houses to find a place in their storerooms for the surplus. Beauty, however, are the one item that move freely at list prices. Especially does this apply to the better grades. Violet receipts have fallen off somewhat from previous week, but arriving in sufficient numbers to cause a continuation of the unsettled quotations existing for some time past. Big lots of carnations have been placed with the "bargain sale" store man but at prices that would discourage even the most optimistic of growers. Bulbous lines with exception of some of the choice varieties of tulips hang back in sympathy with stock in general as if to suggest the coming of spring. Several consignments of outdoor bulbous flowers from Mississippi arrived the past week, of a quality, however, that did not affect prices on greenhouse stock.

NOTES.

The Florists' Club will hold an Easter flower show in the blue parlor of Handel hall on March 23 from 2 p. m. to 10:30 p. m. George Asmus has been appointed manager and exhibits can be sent addressed to him in care of any of the Chicago houses or direct to Handel hall. Growers having desirable Easter plants, etc., to dispose of should not fail to be represented at this affair as it is predicted the show will be largely patronized by buyers both from out of town as well as about Chicago.

Chicago daily papers report creditors of Zion City as again becoming quite active with regard to payment of their accounts. Several suits for judgment have been recently filed. Zion is the now world-famed Dowie's institution and a full-fledged mail order seed business is one of the commercial enterprises of this concern.

Lubliner & Trinz have taken a temporary lease of the store at the southwest corner of State and Washington streets, formerly occupied by Carson, Pirie, Scott & Company, and will carry a large stock of cut flowers and decorative plants. They will also retain their present store at 44 Randolph street.

Weiland & Risch, as well as their foreman, D. J. Murphy, are quite enthusiastic over the new rose Killarney, having put in a large stock of it. This firm continues to cut quantities of exceptionally good teas, comparing favorably with the best that has been seen hereabouts for many years.

A. L. Randall Company are pushing "greenhouse packed" lilies for Easter trade. The system of one handling of lilies between grower and buyer is a good one and will no doubt result in fewer complaints of flowers being bruised on arrival.

A general good time was had at the "smoker" given by the Florists' Club March 9. Outside as well as home talent kept the crowd in good humor, and early repetition of these affairs are looked forward to by members.

E. F. Winterson Company are receiving daily shipments of extra quality pink and white and white sweet peas.

J. B. Deamud is getting in regularly, consignments of Gen. MacArthur rose.

Several shipments of outdoor grown bulbous stock from the South have appeared in the market during the past week, but not of a quality that has any effect on the greenhouse product.

John Lambros has been in Milwaukee for the past few days looking after his interests in connection with the failure of his brother, B. G. Lambros.

August Jurgens is sending in some good specimens of Whitehawk tulips. A fine variety and brings a ready sale from local retailers.

P. J. Hauswirth has been nursing a very sore throat for the past week but is now on the road to recovery.

Bassett & Washburn report shipping trade as fairly good with some considerable call for fancy teas.

Dealers are having their own troubles with fancy ferns—most supplies coming out of storage in poor shape.

A. L. Vaughan has been visiting out of town trade the past week in the interest of his firm.

Ferns in variety for dishes, are a scarce item with growers about Chicago.

Visitors: B. O'Neil, Elgin, Ill.; J. Winchester, Pecatonica, Ill.; H. E. Philpott, Winnipeg, Man., Canada.

Philadelphia.

MARKET WELL SUPPLIED.

There have been several very quiet days since Ash Wednesday, but it is usually the case, and better things are hoped for from this time until the last grand rush at Easter. Prices are holding wonderfully well, particularly for Beauty which will command \$5 to \$7.50 for the specials. The growers with few exceptions say that Beauty have not paid for the last two months, they being off crop almost continually and the shipments in consequence have been very small. Myers & Samtman seem to have learned some wrinkles that they can depend on, as during the off seasons of this and last winter their houses were continually in bloom and their stock has been in great demand.

Teas and Liberty are new very fine; the best Maids sell for \$12 with a few gilt edged stock bringing \$15. Liberty range from \$12 to \$25. Golden Gate is also fine but there is not much of a demand for it in this market. Killarney may be seen here next season. It seems popular elsewhere but there is scarcely enough grown about here to be counted. Carnations are in good supply and fair demand at prices a shade lower; \$4 is now low for the fancy's except for something special like Weber's My Maryland and Haines' the new scarlet from Bethlehem. These are both great

varieties.

Two dollars to three will buy the best Lawson, which price at this time a noted grower says is too low. He fears that the fancy flowered varieties will crowd the smaller stock out of the market and then that overproduction will get the price down to the level of the common sorts, which cannot be grown at such figures to pay. Gardenias are still selling at \$12 per hundred. Some of the growers are about cut out. Robert Craig & Son are about done and say the crop has been very satisfactory. All bulbous stock is plentiful but it seems to be moving fairly well at from \$2 to \$4 per hundred. Freesia is almost over, \$3 per hundred is now high. Snapdragon is very fine now, both the white and colored. Hartley of Chestnut Hill makes a specialty of this flower and will have a great crop at Easter. Bleeding plants are carried largely in stock by all the stores and appear to sell well. Harris has sent in several very fine bougainvilleas which make a great show. His Easter stock of all kinds is coming on and premises to be up to the usual high standard.

NOTES.

Manager Meehan at the market says their business is away ahead of last season at this time, their new location has turned out to be a good move. Occupants of stalls also report that it has been a great advantage to them.

The Leo Niessen Company report wild smilax very scarce, no one seems to know just why. Last Saturday it was impossible to get a case anywhere in the city.

The Hugh Graham's are busy with large store decoration. Twenty-five dozen primula obconica were used in one job.

W. K. Harris is, we are happy to say, able to be about again. He spent several hours at the greenhouses last Saturday.

The Philadelphia Cut Flower Company are handling some fine mignonette.

Pennock's window was gay this week with Ghent azaleas and cibotiums.

K.

Boston.

SLUMP IN MARKET.

The bottom has fallen completely out of the market, everything being way down. The warm weather of the early part of the week brought along stock a great deal faster than it could be disposed of, and as the Lenten season is starting in the demand has also slackened to a great extent. The slump includes everything, but bulbous stock has been particularly hard hit, prices having gone off at least fifty per cent. Violets are so low in price that it is scarcely worth while to bring them in to the market. Carnations have been selling as low as 75 cents per 100 for the poorer ones, with the best bringing only \$2.50 per 100. Roses also are becoming very plentiful with a corresponding drop in price. In all probability this slump will continue for the next two weeks, as the warm weather will advance the stock faster than it can be disposed of.

NOTES.

The Easter display in the Boston Public Garden will be exceptionally good this year as Easter comes so late in the season. Special plans are being

made for forcing the various flowers, the display consisting of hyacinths, jennifers, crocuses, wall flowers, spiræas, and lilies of the valley.

John T. Butterworth of Framingham is receiving the congratulations of his friends on recovering from his severe illness of the past months.

John Walsh, the manager of the Boston Flower Market, has recovered from his illness and will resume his duties on Monday.

Kidder Brothers of Lincoln have been bringing some exceptionally fine single violets into the Boston market.

Fred Mathison of Waltham has the sympathy of all the florists, his wife having died several days ago.

H. P. S.

Columbus.

The Fifth Avenue Floral Company is in the act of building another large house which will be principally used for a show house. They expect to have this house ready for use by Easter. It is too early to state as to the condition of the Easter crop, but it is generally believed that some of the stock will come in ahead of Easter.

CARL.

OBITUARY.

Charles T. Siebert.

Charles T. Siebert died March 7 at his residence in Pittsburg, Pa. He is survived by his wife and three children. Mr. Siebert was a pioneer in the florist business, and was noted for the construction and management of greenhouses of the largest size.

Ellis D. Adams.

Ellis D. Adams, secretary and treasurer of Cemstock, Ferre & Company, Wethersfield, Conn., died March 10. He had been ill and absent from business about one month. His death was hastened by an attack of acute Bright's disease. The deceased was well known to many in the seed trade, having been connected with the above company for nearly thirty-five years. He was born in Wethersfield and lived there all his life. He leaves a wife and two children.

William Charles Hill.

William Charles Hill, of Streater, Ill., died of cancer of the stomach on March 11 after an illness of nearly a year. He was the son of William D. and Eliza C. Hill, of Putnam county, Ill., and was born November 16, 1843, at St. Louis, Mo. He served during the civil war, enlisting in September, 1862, as a private in Company H, 20th Illinois infantry.

He took part in the siege of Vicksburg and accompanied Sherman on his famous march to the sea. He was made a corporal near the end of the war. After the war Mr. Hill returned to Putnam county and in 1868 married a Miss Emily Tompkins. There were two children, neither of whom are living. From 1870 to 1876 he resided in Kansas and followed the occupation of a farmer. In 1884 he entered the horticultural business in Streater and built his first greenhouse. He was buried in Riverwood cemetery, Streater Post, G. A. R., attending the services.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
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No Special Position Guaranteed.

Discounts are allowed only on consecutive inser-
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10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

Space on front pages and back cover page sold
only on yearly contract at \$1.00 per inch, net.

The advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to
secure insertion in the issue for the following
Saturday. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send
the old address at the same time.

Forcing Gladiolus May.

ED. AMERICAN FLORIST:—

Please let me know as soon as pos-
sible how long it takes Gladiolus May
to come into flower in a carnation house
temperature of 50° to 55°. I have
never tried any and wish to do so.

J. B.

Gladiolus planted at this time of the
year will take ten to twelve weeks to
come into flower. If planted during
the winter months they take a little
longer to get into bloom.

C. W. JOHNSON.

Early Sweet Peas.

ED. AMERICAN FLORIST:—

Is there anything gained by starting
sweet peas in 4-inch pots under glass,
planting them outdoors after danger
from frost is over, so as to get them as
early as possible? How early should
they be sown in this case? How deep
should the seeds be if sowed late in
fall?

M.

By starting sweet peas in 4-inch pots
under glass probably flowers could be
had from one to two weeks earlier than
from seed sown in the open ground, but
the experiment has been tried by so
many and seldom repeated by any, that,
even if a few stray flowers could be
obtained early, it is well known that
these would not come near repaying for
the trouble. Although sweet peas when
small plants (from seed sown in the
open ground) will stand a few degrees
of frost, plants taken out of a green-
house will get blighted by cold winds
even without frost unless well shel-
tered or protected in some way. There-
fore, taking all in all, there would be
but little gained by starting sweet peas
under glass, but if the attempt be made
the seed may be sown now. It is very
advantageous to sow sweet peas in the
fall. The seed should be covered with
six inches of soil in a situation where
water does not lodge.

DAVID MCINTOSH.

Exterminating the White Fly.

ED. AMERICAN FLORIST:—

I have noticed in the various horti-
cultural journals and bulletins of the
Ohio experiment station, numerous arti-
cles regarding the methods of extermi-
nating the white fly, yet no one seems
to have found a remedy for it except
hydrocyanic acid gas. My stock was
stricken by this pest three years ago,

and not caring to try the above method,
I had been trying every other means
until at last I found one effective. I
took one-half pint of kerosene emul-
sion in two and one-half gallons of
water, heating it to 120°. I used an
ordinary florist's syringe and sprayed
in the morning while the flies were dor-
mant. They seemed to die by thou-
sands, and the spray did very little
damage to any of my stock. Pelar-
goniums seemed to enjoy it, while it
damaged my fuchsias, abutilons and
tomatoes. It should be used a little
weaker and without heat. This method
is sure death to any white fly it comes
in contact with. I believe a sprayer
making a very fine mist would be the
most proper thing to use. I have been
watching many articles on white fly
but so far have seen none where any-
one has used this remedy.

L. A. WHITMORE.

Boiler Scale.

ED. AMERICAN FLORIST:—

What is the best method of treating
boilers or water to remove scale and
prevent its formation? P. G.

When the deposit of scale is very
thick, about the best way, in the case
of large boilers is to break it off with a
hammer and cold chisel. Some of the
anti-scale compounds are not only
effective in keeping the boiler surfaces
clean, but they have a tendency to
soften the scale already deposited. The
use of two to four quarts of kerosene
in the boiler once a month, or oftener
when firing hard, will give good results.
Of course the best way of all is to use
water that contains only a small
amount of mineral matter. In large
plants where the water is very hard,
purifiers can be used to advantage.

L. R. T.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I am thinking of installing one boiler
in my greenhouses to take the place
of the two I now use. I have about
12,000 feet of glass and may possibly
add 1,500 feet more. I use steam and
grow roses, carnations, and pot plants.
What size boiler would it take to heat
it properly? The temperature some-
times goes to 22° below zero.

E. R. B.

A good deal depends upon the con-
struction of the houses, the exposed
wall surface and the method used in
estimating the area of glass. It would
probably be safe to use a 50 horse-
power boiler if the actual surface of the
exposed glass is no more than 14,000
square feet.

L. R. T.

Meetings Next Week.

Boston, Mass.—Gardeners' and Flo-
rists' Club of Boston, Horticultural
Hall, Tuesday, March 21.

Boston, Mass.—American Rose Soci-
ety, Horticultural Hall, March 23 to 26,
annual meeting.

Chicago, Ill.—Chicago Florists' Club,
Handel hall, 40 Randolph street, Thurs-
day, March 23, at 8 p. m.

Denver, Colo.—Denver Floral Com-
pany, 323 Charles block, Friday, March
24, at 8 p. m.

Hamilton, Ont.—Hamilton Garden-
ers' and Florists' Club, office of mem-
ber, Tuesday, March 21, at 8 p. m.

Hartford, Conn.—Hartford Florists'
Club, Friday, March 24, at 8 p. m.

Montreal, Que.—Montreal Gardeners'
and Florists' Club, Alexandria rooms,
2204 St. Catherine street, Monday,
March 20.

New Haven, Conn.—New Haven
County Horticultural Society, Tuesday,
March 21.

New London, Conn.—Eastern Con-
necticut Horticultural Society, Tuesday,
March 21, greenhouses of Secretary
H. H. Appeldorn.

Richmond, Ind.—Richmond Florists'
Club, greenhouse of member, Monday,
March 20.

Salt Lake City, Utah.—Salt Lake
Florists' Society, Friday, March 24.

Toronto, Ont.—Toronto Gardeners'
and Florists' Association, St. George's
Hall, Elm street, Tuesday, March 21, at
8 p. m.

Catalogues Received.

Wilhelm Pfitzer, Stuttgart, Germany,
seeds and plants; The Callander Cactus
Company, Springfield, O., cacti and suc-
culents; K. Van Bourgondien & Sons,
Hillegom, Holland, Dutch bulbs, flower
roots and plants; W. E. Dallwig, Mil-
waukee, Wis., seeds; Sluis & Groot, Enk-
huizen, Holland, vegetable, flower and
agricultural seeds; Archias Seed Store,
Sedalia, Mo., seeds; Peter Henderson &
Company, New York, farm seeds, imple-
ments, etc.; Sander & Sons, St. Albans,
Eng. and Bruges, Belgium, hybrid
orchids; Phoenix Nursery Company,
Bloomington, Ill., hardy trees and
plants; Nonne & Hoepker, Ahrensburg,
Germany, seeds and plants; Ellwanger
& Barry, Rochester, N. Y., nursery
stock; Stark Brothers Nurseries and
Orchards Company, Louisiana, Mo.,
nursery stock; The Nut Nursery Com-
pany, Monticello, Fla., nut trees; The
A. I. Root Company, Chicago, bee keep-
ers' supplies; Van Heiningen Brothers
& Company, Boskoop, Holland, nursery
stock; James Vick's Sons, Rochester,
N. Y., seeds, plants, bulbs, etc.;
Vaughan's Seed Store, New York and
Chicago, seeds, plants, supplies, imple-
ments, etc.; Laxton Brothers, Bedford,
Eng., vegetable and flower seeds, pota-
toes, etc.; Nathan Smith & Son, Adrian,
Mich., chrysanthemum and other plants;
V. Lemoine et Fils, Nancy, France,
plant novelties; R. V. Crine, Morgan-
ville, N. J., seeds; John Peed & Son,
London, S. E., Eng., begonias, caladiums
and gloxinias. Vilmorin-Andrieux &
Company, Paris, France, chrysanthem-
ums; F. Gilman Taylor, Glendale, Cal.,
rhubarb; W. Atlee Burpee & Company,
Philadelphia, Pa., seeds; Oasis Nursery
Company, Westbury, L. I., N. Y., nurs-
ery stock; The Renfrew Nurseries Com-
pany, Ltd., Renfrew, Ont., Can., rasp-
berry plant; Hunkel's Seed Store, Mil-
waukee, Wis., farm and garden seeds;
Otto Heyneck, Madgeburg, Germany,
chrysanthemum and other plants. F.
Gilman Taylor, Glendale, Cal., seeds;
George W. Park, Lapark, Pa., flower
and vegetable seeds.

American Carnation Society.

DEPARTMENT OF PLANT REGISTRATION.

Gladys, registered by the Lakeview
Rose Gardens, Jamestown, N. Y.; color,
white; size, three inches and over;
stems, twenty to thirty inches in
length.

ALBERT M. HERR, Sec'y.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

Please state the quantity and size of pipes necessary for heating a small house, 17½x108 feet. The side walls are four feet high, sheathed with two 1-inch boards, two-ply felt paper between, with heavy coat of mortar over all, outside. Six-foot bench down center and one four-foot bench on each side. The house runs east and west and the center bench is cut in two for a walk. How shall I arrange the pipes?

SUBSCRIBER.

It will not be possible to give a very definite reply to the question as it does not state whether steam or hot water is to be used, and no hint is given regarding the temperature desired or the kind of crops to be grown. In a general way, if hot water is to be used for heating, it will answer to use three 2-inch flows and from six to eight 2-inch returns for a temperature of from 45° to 55°. For roses or crops requiring about 60° it will be well to use ten returns, supposing that the outside temperature is about zero. For steam under the above conditions, use one 2-inch flow and from six to eight 1¼-inch returns.

L. R. T.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—As working foreman: age 35, married. Life experience. Good references. Box 213, care American Florist.

Situation Wanted—By first-class florist, German: 14 years' experience. Best of references. Address PAUL JUCH, 195 E. North Ave., Chicago.

Situation Wanted—Young German florist, 6 years experience, want to get work near Chicago, Specialist in flower cultivation. State wages. JOHN KIEPKE, Richton, Ill.

Situation Wanted—As a carnation or rose grower, 6 years experience. Carnations preferred. State in first letter with or without board. Address Box 189, care American Florist.

Situation Wanted—By a good landscape gardener; German, 28 years old. Grower of roses, carnations and general stock. Address Box 203, care American Florist.

Situation Wanted—By practical florist; German-Austrian. Best references if required. CHARLES MUEHLER, care M. Kolb, College Point, Long Island, N. Y.

Situation Wanted—By artistic decorator and designer; competent to take charge of first-class store. Best of references. Address with full particulars, Box 191, care American Florist.

Situation Wanted—By young man as florist. Have had experience in vegetable gardening but desire to take up flower growing. Will accept reasonable offer. Age 22. Box 28, care American Florist.

Situation Wanted—By young man of 23; ten years' general greenhouse experience. Well up in roses and carnations. Vicinity of big city preferred. State terms in first letter. Box 205, care American Florist.

Situation Wanted—Young German, 26, good willing worker, with some experience wishes to learn the trade where roses and carnations are grown. Chicago or vicinity preferred. Box 210, care American Florist.

Situation Wanted—As foreman or manager on up-to-date place by expert grower and propagator. Sober and energetic; 22 years' experience; German, married. State full particulars. Address Box 215, care American Florist.

Situation Wanted—As foreman; by first-class grower of roses, carnations, chrysanthemums and general stock. Age 35, single. Only first-class place wanted. Address Box 212, care American Florist.

Situation Wanted—By a competent florist; 21 years' experience in greenhouses, plants and fruits; know landscaping; have diploma. able to take full charge in every line of the business. Only good place wanted. Address Box 196, care American Florist.

Situation Wanted—As foreman on good sized commercial place where growing roses for cut flowers is made a specialty. Refer to Alex. Montgomery, Waban Rose Conservatories, Natick, Mass. Address Box 183, care American Florist.

Situation Wanted—Orchid grower, propagator, fancy plant grower, etc., wants position. Private or commercial. Capable to take charge of a good establishment. 25 years' experience. References A1. Apply No. 24, JULIUS ROEHRS, Rutherford, N. J.

Situation Wanted—By young married man, German, age 27, strictly temperate and reliable. 5 years under glass, 3 years on private place. Wishes steady position on private or commercial place; private preferred. Good references. For full particulars, address Box 207, care American Florist.

Situation Wanted—First-class grower of roses, carnations, mums and general line of pot and bedding plants, also good in landscape gardening wants position as foreman or take charge of section where No. 1 stock is wanted. Age 33, with 19 years' experience. State wages. Address Box 207, care American Florist.

Help Wanted—Good grower of roses, carnations and general stock. \$45.00 per month. NOACK, Batavia, N. Y.

Help Wanted—Good all around florist, single, German. THE F. BLONDELL COMPANY, Oak Park Ave. and Augusta St., Oak Park, Ill.

Help Wanted—Reliable, single man to grow roses, carnations, mums and geraniums. State age and wages, with references. GIFT FLORAL CO., Richmond, Ind.

Help Wanted—Experienced grower of roses, carnations and general stock for retail trade. Good wages to sober, reliable man. Address M. M. STRONG, Sioux Falls, S. Dak.

Help Wanted—Two young men for general greenhouse work. State age, experience and wages wanted with board and room. Address P. O. Box 273, Huntington, Suffolk Co., N. Y.

Help Wanted—A good young German for general greenhouse work; one that don't know it all; willing; good home with board. Address GUS OBERMEYER, Box 219, Parkersburg, W. Va.

Help Wanted—Rose grower; competent, temperate and trustworthy. Only man who has grown first-class stock wanted. Apply, giving references and full particulars, to ROBERT SIMPSON, Clifton, N. J.

Help Wanted—A good grower of general stock, retail place; state wages expected with board and room. Must be sober, honest and industrious. Steady place to right man. Address Box 211, care American Florist.

Help Wanted—Good reliable man for general greenhouse work; must be sober and a good worker. Wages \$12.00 per week. References required. State age and nationality. Box 201, care American Florist.

Help Wanted—Young lady who understands florist business. Must be quick, active and good penman. Also assistant. State salary and reference. Address Box 210, care American Florist.

Help Wanted—Young man for general greenhouse work; commercial place; steady job and good home; state age, experience, where last employed and wages per month with board. GEO. S. BELDING, Middletown, N. Y.

Help Wanted—At once, an all-around florist to take charge of 35,000 feet of glass. Must be a hustler and know his business, and handle help to best advantage. Send references and wages wanted. No drinking man need apply. Address GEO. M. KELLOSO, Pleasant Hill, Mo.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Help Wanted—A young single man who understands growing of carnations, mums and general stock, a good designer and has a knowledge of bedding plants. Wages, \$6.00 per week with board, room and washing. Reference required. A good place for the right man. Address Box 201, care American Florist.

Help Wanted—A grower of Beauties, to take charge of section under foreman. Man not over 35, single. A good opening for right party. Permanent position. Wages \$15 per week. Six miles from Cleveland, on main trolley line. Send references. Position now open. Address M. BLOY, Essex Greenhouses, N. Olmstead, O.

Help Wanted—At once, a strictly sober, reliable man (single 25 to 35 preferred) a good talker, competent to take city orders for trees, shrubs, vines, etc., and act as foreman for setting out same. Some knowledge of landscape work desired. A good position for man who can furnish reference and fill requirements. State full particulars and wages. Address LIVINGSTON SEED CO., Columbus, Ohio.

Help Wanted—For an important establishment in Germany comprising nurseries and greenhouses, with a specialty of cut flowers, a first-class German manager; age between 30 and 40, Protestant, with good recommendations. He must understand the general management and special treatment of roses and carnations. Wages \$75.00 per annum, share in profits, residence and fuel. Permanent appointment for the right man. Apply at once sending copies of testimonials and references. Convenient offers are answered in the midst of April. Address Box 206, care American Florist.

Wanted—To rent greenhouses in Chicago or vicinity. Describe fully. Address Box 214, care American Florist.

Wanted—To lease greenhouses, not less than 15,000 square feet of glass, suitable for growing cut flowers. Must be in good condition and well heated. Term not less than five years. Also some land. Ohio or Indiana preferred. State particulars. Address Box 202, care American Florist.

Wanted—To rent place of 6,000 to 10,000 feet of glass with land, with option of buying at end of one year, if satisfactory. Near a city of not less than 10,000 inhabitants. Ohio, Indiana, Illinois or Iowa preferred. State full particulars. F. W. MEYER, Vine St., New Castle, Ind.

For Sale—A well stocked greenhouse for \$750. WM. BALLARD, Perry, Iowa.

For Sale—Four beautiful greenhouses filled with roses and carnations and dwelling for \$3,600; worth \$5,000; income \$1,800. CORA M. JONES, 16 State St., Rochester, N. Y.

For Rent—\$50 per month, five greenhouses, 9,000 square feet of glass, pine and one-half acres of good ground, house and barn, long lease, \$1,000 cash for stock, etc., near Chicago. Address Box 152, care American Florist.


For Sale—Owing to the death of the proprietor, the greenhouses and stock of the Lake Geneva Floral Co., established in 1890 are offered for sale. A good opening for a practical man. W. H. HAMMERLEY, Lake Geneva, Wis.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale or Lease—An exceptional bargain for right party; greenhouses with 8,000 square feet of glass. Hot-water heating plant with practically new boilers. 2¼ acres of good land in fine location. Well established business in full operation. Apply to ANNA W. KIDDER Waltham, Mass.

For Sale—A well established business in a thriving town in Indiana; 14,000 square feet of glass, up-to-date stock in fine condition, of roses, carnations and miscellaneous stock. An exceptional opportunity, as owner wishes to retire. Cash or payments. Last year's sales, over \$5,000. Address Box 195, care American Florist.

For Sale—Nurseries of three acres, including 12,000 feet of glass; heated with hot water, fully stocked with palms, ferns and house plants; 24,000 feet of lath house, 5,000 amilax, 500 Asparagus plumosus, etc. The site is on the bon-ton street, twenty blocks from business section. For further particulars and price address HOUSTON, LOCK & BROWN, 715 Braly Building, Los Angeles, Cal.

The....
American Florist

IS PAID FOR CIRCULATED AND READ.

Washington.

MARKET VERY QUIET.

The strenuous life, and trade, of inauguration week which was a little too strenuous, even for some of the florists, has subsided into a "Peaceful Valley" existence with enough work to aid digestion, but no rush. The brilliant features of the season have passed into social history; the social events of the few remaining weeks will be enacted under the softening influences and dim religious light of Lent. There is an abundant supply of good stock, the fine weather of the past ten days having produced almost a glut in several lines, but it has also been favorable to counter trade.

Of daffodils there seems no end, and the price is being cut to 25 cents per dozen. The price of carnations is also breaking and 75 cent and \$1 varieties are being offered at 50 cents per dozen. There is a steady demand for good roses but inferior stock is very slow. Violets will soon be anybody's plunder. The trade in pot plants is picking up and fine large specimens of marguerite daisies, spiræas, and other seasonable plants are beginning to move freely.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the Florists' Club was held on the night of March 7. There was a good attendance. The carnation show, elsewhere noted, the election of officers and sundry other matters lent interest to the proceedings.

All the old officers, excepting vice-president F. H. Kramer, who declined a second term, were re-elected, as follows: President, W. F. Gude; vice-president, Charles Henlock; secretary, Peter Bisset; treasurer, W. H. Earnest.

NOTES.

With the return of spring the City Gardens Association is getting active. On March 11 the members entertained H. Rider Haggard, the English novelist, at a luncheon at the Shoreham. Among those present were district commissioners West, Biddle and McFarland and Mr. Hioki, first secretary of the Japanese legation.

The City Gardens Association of Washington was organized a year ago and has the indorsement of leading United States and district officials and many leading citizens. Prof. L. C. Corbett of the Agricultural Department is second vice-president and Prof. B. T. Galloway is on the board of directors.

In the Inaugural parade, March 4, W. F. Gude was adjutant to the chief marshal of the civic grand division. George C. Shaffer rode as escort with the rank of colonel and Roy F. Wilcox rode on the staff of the chief marshal.

A fire in the Manhattan building on Fourteenth street, on the night of March 11, created considerable excitement, being very near to Otto Bauer's store, but fortunately he sustained no damage.

S. E.

San Francisco.

MARKET SATISFACTORY.

Business the past week has been very satisfactory. Most of the social activities closed last night with the annual Mardi Gras ball, which event called for a large amount of stock. There was some difficulty in procuring roses of first class quality in the needed amounts

and they are still scarce. Carnations are in good supply with prices steady except on poor grade stock. Violets, particularly all single varieties, are about over for this season. The double varieties can still be had, but in limited supply. Harrisii are coming along slowly and bringing good prices. We are receiving plenty of bulbous stock of all kinds. Good smilax is getting scarce and nearly all green stuff is firm and in good demand. Some of our leading florists are receiving very large orders at this date for the funeral of Mrs. Jane Lathrop Stanford, California's greatest benefactress, whose body is expected in port on the next steamer. From present indications an enormous quantity of flowers will be used. Outside stuff is coming in freely, owing to the hot spell which is still with us with little or no indication of immediate relief.

FLORISTS' MEETING.

The regular monthly meeting of the society was held last Saturday evening in Mission Opera hall. The attendance was very good. The club also wishes to announce a semi-monthly meeting to be held Saturday evening, March 18, at which all members are requested to be present as matters of much importance are to be transacted.

NOTES OF THE TRADE.

March 7 was Luther Burbank's birthday and he was notified that the children of the Alameda schools would observe the day as "Burbank Day," which was done in a fitting manner. Mr. Burbank feels highly complimented at the honor done him, especially by the youth of the state in which his wonderful creations have been brought to life, and was the recipient of a great many congratulatory messages from all parts of the world. Mr. Burbank has kindly consented to let his wonderful picture exhibit of scores of his choicest productions form a part of the exhibit from California in the California building at the Lewis and Clark Exposition, and the people of the state are immeasurably pleased.

A visit to famous Del Monte is always interesting but not complete unless the magnificent conservatories are enjoyed. Thomas Lee, who has been head gardener here for many years, has the grounds and greenhouses in splendid condition. Many houses are devoted to the growing of decorative plants and ferns. Carnations are also grown largely. The output is disposed of on the premises. The propagating houses are filled with thousands of young bedding plants and are being constantly refilled to supply the demands of this extensive place. Mr. Lee is one of our most progressive gardeners and always gives all the new introductions the most thorough trials.

An hour spent at Domoto Brothers' establishment during the week was a revelation. From a very humble beginning this place has grown to one of our largest ranges of glass. Roses and carnations are grown in vast quantities as also are longiflorums, of which the latter is imported direct from the firm's plantations in Japan. The entire plant is heated by steam using crude petroleum for fuel.

The Woman's Civic League of San Mateo has about completed its schedule for its annual fall show. Many valuable premiums are being added to the

already extensive prize list. The Menlo Park Horticultural Society's exhibition committee is also preparing the schedule for its fall exhibition. Among the prizes are four beautiful silver cups, donated by the wealthy residents of Menlo Park.

John Kleiner paid the trade a visit during the week after an absence of several years. He was formerly in business in Oakland, but went north where he has since resided.

Joseph B. Coryell is about to add an orchid house to his private conservatories at Menlo Park. It will be devoted to dendrobiums chiefly.

Denver.

Flowers are a little scarce now and the market continues good. The weather continues cool, thereby improving business conditions. Easter prospects are very bright.

Mr. Gus Benson's plant in South Denver is cutting some A 1 carnations. He grows nothing but the new varieties and makes this his specialty. He receives from 4 to 7 cents wholesale for all his product.

The Colfax Floral Company's stock is in very good condition. They are cutting some of the finest long stem roses they have had in years. Their Easter showing is also very fine.

Grimes & Son are also cutting some very fine carnations. Their Easter lilies look very good.

The Park Floral Company's greenhouses are in fair condition. Their Easter display is good, with lilies a trifle scarce.

A. H. B.

Salt Lake City.

Business is very quiet at present. The amount of flowers grown for the trade is far in excess of the demand, with the single exception of roses, which on account of the soil and climatic conditions, are grown here with difficulty. Most of these are shipped in from outside points. Carnations find good sales and there are always plenty in the market. There are now nineteen greenhouses in Salt Lake City growing stock for the local market.

The Salt Lake Floral Company have sold their plant to D. E. Law, of Spokane, Wash., and William Wilson, of Butte, Mont. The new proprietors will conduct a wholesale cut flower business. They also intend reconstructing the plant in a more up-to-date style.

Lilies will be scarce for Easter and azaleas will be nearly all gone. Carnations will be plentiful.

Coal bills have been light so far for March as we are having May weather.

D. E. L.

FAIRMONT, W. VA.—H. Glenn Fleming is planning to increase his present facilities and will tear down one old house, building in its place a new one of large dimensions.

FAIRHAVEN, MASS.—Peter Murray, gardener for Walter P. Winsor has leased the latter's greenhouses for a period of two years and will engage in the wholesale and retail business.

SAN ANTONIO, TEX.—The proposed flower fete and Alamo Purchase celebration is arousing great interest. The governor, members of the legislature and state officials, generally, will be invited to attend.

Get Ready.

We are apt to get what we are ready for. Just before Easter Trade opens up is the time to try us. Don't be "fairly well satisfied"; your money is as good as anybody's—get the best. You'll get it here; let us send our regular price list to you.

Roses.

If you aren't buying roses from us you aren't buying roses right; you don't know what **can** be done in growing them.

We grow Maids and Brides on Beauty stems; get our price list and see if you can afford to pass us by.

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Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

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We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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Coogan Bldg., W.
28th Street & 34th
Street Cut Flower

Market. Specialties: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, 75c per 1000.

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New Crop Southern Wild Smilax
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HARDY CUT FERNS.

Fancy, \$1.50; Dagger, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$8.50 per case of 10,000. **Laurel** festooning, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. **Branch Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



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25, 35 and 50 pound cases Chicago
Market quotations.

ALWAYS ON HAND, AND
IN ANY QUANTITY.

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HIGH-GRADE SOUTHERN WILD SMILAX.And Florists' Hardy Decorative Supplies,
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76 Wabash Ave..CHICAGO

Wholesale Flower Markets

MILWAUKEE, March 15		
Roses, Beauty, long, per doz.	5 00	
" " med.	2.00@	3 00
" " short	.75	
" Liberty	6.00@	12.00
" Chatenay	6.00@	10.00
" Bride, Bridesmaid	6.00@	10 00
" Meteor, Golden Gate	3 00@	10 00
" Perle	3.00@	8 00
Carnations	1.50@	4 00
Smilax	12.50@	15.00
Asparagus sprays	2 00	
Valley	3 00	
Adiantum	1 50	
Violets	.50@	.75
Callas	8.00@	10.00
Romans, Paper Whites	3 00	
Harrisii	10.00@	12.50
Tulips, Daffodils	3 00	

Prices are holding fairly well.

PITTSBURG, March 15.		
Roses, Beauty, extras	18 00@	25.00
" " No. 1	8 00@	12 00
" " ordinary	3.00@	5 00
" Bride, Bridesmaid	3.00@	15 00
" Meteor	8 00@	12.00
" Liberties	8.00@	15.00
" Perle, Chatenay	3 00@	8 00
Carnations	1.00@	3 00
Lily of the valley	3.00@	4 00
Smilax	12.50@	15.00
Asparagus, strings	25 00@	50.10
Asparagus Sprengerii	2.00@	3 00
Lilies	6 00@	15 00
Adiantum	1.00@	1 50
Mignonette	1 00@	3 00
Daffodils	2 00@	3 00

CINCINNATI, March 15.

Roses, Beauty, per doz.	1.00@	4 00
" Bride, Bridesmaid	4.00@	8 00
" Liberty	6.00@	10.00
" Meteor, Golden Gate	4.00@	8 00
Carnations	1.50@	4 00
Lily of the valley	3.00@	4 00
Asparagus	50 00	
Smilax	12.50@	15.00
Adiantum	1.00@	1 50
Callas	10.00@	12.50
Asparagus Plumosus and Sprengerii	25c	per bunch
Harrisii	15 00	
Romans, narcissus	3 00	
Violets	.75@	1 00

St. LOUIS, March 15.

Roses, Beauty, long stem	4.00@	6 00
" " medium stem	2.00@	3 00
" " short stem	.50@	1 50
" Bride, Bridesmaid	4.00@	6 00
" Liberty	4.00@	6 00
" Kaiserin	4.00@	6 00
Carnations	1.00@	4 00
Smilax	12.50@	15.00
Asparagus Sprengerii	1.50@	3 00
" Plumosus	25.00@	0.00
Ferns, fancy	per 1000	2 00
Adiantum	1.00@	1 25
Violets, California	.25@	.40
" Double	.50@	.60
Lily of the valley	2.00@	3 00
Romans	2.00@	3 00
Callas	8.00@	10.00
Paper White narcissus	3 00	

CLEVELAND, March 15.

Roses, Beauty, per doz.	1.00@	6 00
" Bride, Bridesmaid	3.00@	8 00
" Meteor	3.00@	8 00
Carnations	1.00@	4 00
Smilax	10.00@	15.00
Asparagus, strings	25.00@	50.00
" Sprengerii	1.00@	2 00
Common ferns	2 50	
Violets, single	.35@	.75
" double	.50@	1 00
Tulips	3 00@	4 00
Sweet peas	.50@	1 00

Wild Smilax?

Why, yes, we have it in quantity. Send us your orders and your wants will be satisfied. Price 50-lb. case, \$6.00.

But we are here to care for your wants in **Roses, Carnations, Violets, Valley**, all kinds of **Bulbous Stock, Smilax, Fancy Ferns, Adiantum** and in fact everything which the florist may want.**J. B. DEAMUD,** 51 Wabash Avenue,
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Wholesalers.**PITTSBURG CUT FLOWER CO., Ltd.**

604 Liberty Ave., PITTSBURG, PA.

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AMERICAN BEAUTIES.Cut Roses—American Beauties and a
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South Park Floral Company**PETER REINBERG**

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AMERICAN BEAUTIES—		Per doz.
Extra Select	\$ 6 00
30-inch stems	5 00
24-inch stems	3 00
20-inch stems	.....	2 50
15-inch stems	.....	2 00
12-inch stems	.....	1 50
Short stems	.....	.75@1.25

		Per 100
LIBERTY	.....	\$8.00 to 12.00
CHATENAY	.....	6.00 to 10.00
MAIDS AND BRIDES	.....	5.00 to 8.00
PERLE	.....	6.00 to 8.00
SUNRISE	.....	6.00 to 8.00
UNCLE JOHN	.....	6.00 to 12.00
CARNATIONS	.....	2.00 to 3.00

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5.00.

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leaf adopted by the S. A. F. in red.
Very attractive. Price per 500,
\$2.85; per 1000, \$4.50. Send for samples.**ELECTRO OF THE LEAF, POSTPAID, \$1.25.****American Florist Co.,**
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Fancy Double White Lilacs JUST IN

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Roses 6c. Carnations 2c.

THEY CANNOT BE BEATEN IN QUALITY.

EASTER. We are booking orders now on Longiflorums for Easter delivery at \$125.00 per 1000. Our lilies are packed in boxes at the greenhouses and shipped in original packages, thus avoiding bruising by rehandling. Don't place your orders for Easter on any kind of stock until you have figured with us.

A. L. RANDALL CO., 19 RANDOLPH STREET, **Chicago.**

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Automatic 3623.

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We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

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Wholesale Flower Markets

CHICAGO, March 16.

Roses, Beauty, 30 to 36-in. stems	5.00@ 6.00
" " 20 to 24 "	3.00@ 4.00
" " 15 to 18 "	2.00@ 3.00
" " 12 "	1.50
" Liberty.....	2.00@12.00
" Chateaux.....	2.00@10.00
" Bride, Bridesmaid.....	2.00@10.00
" Meteor, Golden Gate.....	2.00@10.00
Carnations.....	1.00@ 2.00
" fancy.....	2.50@ 3.00
Valley.....	2.00@ 4.00
Violets.....	.30@ 1.00
Asparagus Plumoseus, per string 40 to 60c sprays 2.00@6.00	
" Sprengerl.....	3.00@ 6.00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000	1.00 .15
" Green, " "	1.00
Adiantum.....	.75@ 1.00
Fancy ferns..... per 1000	2.00@ 2.50
Smilax.....	12.00@15.00
Callas.....	1.00@1.50 per doz.
Paper Whites.....	3.00
Romans.....	3.00
Tulips.....	1.50@ 5.00

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SUCCESSOR TO BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Choice Carnations. Any quantity. Prices
very reasonable. Wire or write.

Careful attention given shipping orders.

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Cut Flowers, Florists' Supplies,

WIRE DESIGNS at

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The Best in the Country.

AMERICAN FLORIST Co.:—Please find
enclosed one year's subscription. I
find your paper the best for my business in the country.

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GRAFTED ROSE STOCK.

Now is the time to order for summer flowering

KAISERIN and CARNOT, 2 1/4-inch pots, \$15.00 per 100; \$120.00 per 1000
OUR ROOT STOCK.

KAISERIN, CARNOT, BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

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J. M. McCullough's Sons Co.

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CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

318 WALNUT ST.

CINCINNATI, O.

Wholesale Flower Markets

BOSTON, March 15.

Roses, Beauty, best.....	35.00@50.00
" " medium.....	20.00@25.00
" " culls.....	6.00@ 8.00
" Bride, Bridesmaid.....	4.00@ 6.00
" Extra.....	8.00@12.00
" Liberty.....	1.00@ 8.00
Carnations.....	1.50@ 2.00
" Fancy.....	2.00@ 3.00
Lily of the valley.....	2.00@ 3.00
Smilax.....	12.00@16.00
Adiantum.....	1.00
Asparagus.....	35.00@50.00
Violets.....	.35@ .50

PHILADELPHIA, March 15.

Roses, Tea.....	6.00@ 8.00
" " extra.....	8.00@12.00
" Liberty.....	8.00@25.00
" Queen of Edgely, extra.....	40.00@60.00
" " firsts.....	15.00@25.00
" Beauty, extra.....	40.00@60.00
" " firsts.....	15.00@25.00
Carnations.....	1.50@ 6.00
Lily of the valley.....	2.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Violets, single.....	.25@ .50
" double.....	.30@ .50
Adiantum.....	.75@ 1.50
Gardenias.....	.12@ .15
Mignonette.....	3.00@ 5.00

BUFFALO, March 15.

Roses, Beauty.....	4.00@40.00
" Bride, Bridesmaid, Meteor.....	2.00@10.00
Carnations.....	1.00@ 4.00
Harrisii.....	10.00@15.00
Lily of the valley.....	2.00@ 4.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00
Adiantum.....	.75@ 1.50
Lilium Longiflorum.....	10.00@15.00
Violets.....	.30@ .60

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 New Telephone No. 798 & 799 Madison Sq.

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Roses, Beauty, best.....	10 @ 35.00
" " medium.....	3 @ 10.00
" " cul's.....	1 @ 2.00
" Liberty, best.....	10 @ 25.00
" " medium.....	3 @ 10.00
" " cul's.....	2 @ 3.00
" Bride, Bridesmaid, G. Gate. 1 @	8.00
" Kaiserin, Carnot.....	1.50 @ 6.00
Carnations.....	.75 @ 3.00
" fancy and novelties.....	3.00 @ 5.00
Lily of the valley.....	1 @ 2.00
Lilies.....	4 @ 8.00
Smilax.....	8 @ 12.00
Adiantum.....	.50 @ .75
Asparagus.....	20 @ 50.00
Tulips.....	1 @ 2.00
Violets.....	.15 @ .35

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Artistic Designs. ***
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We cover all Michigan points and good sections
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High-Grade Cut Blooms.

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Choice American Beauties a Specialty.

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Good Shipping Facilities to all Michigan
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Two trains daily.

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years has been sent to my father,
George A. Norton, Pittsfield, Mass.
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renew the subscription, as he claims
the AMERICAN FLORIST to be the only
Florists' paper.

GEORGE A. NORTON, JR.



A Daily Shipment From 40 to 60 Growers

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Specials for the Coming Week:

FANCY HUDSON RIVER DOUBLE VIOLETS.
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Pink and White and White SWEET PEAS.

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Illustrated list with discounts free. : : : : :

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For Week of March 16th to 23rd, 1905.

Roses.		Per dozen.
American Beauty, 30 to 36 ins....	\$5.00 to \$6.00	
" 24 inches.....	4.00	
" 20 inches.....	3.00	
" 15 inches.....	2.00	
" 12 inches.....	1.50	
" Short.....	.75 to 1.00	
Bride, Bridesmaid, Gate.....	3.00 to 8.00	
Roas, Our Selection.....	5.00	
Liberty.....	6.00 to 15.00	
Chatenay.....	4.00 to 10.00	

Carnations.

We handle all leading varieties.		Per 100
Fancy.....	\$3.00 to \$4.00	
Good Average.....	1.50 to 2.00	
Fair Stock, for bargain sales (Our Selection) Per 1000, \$10.00		
Valley.....	2.00 to 3.00	
Violets.....	.40 to .75	
Callas.....	8.00 to 12.00	
Paper Whites, Romans.....	3.00	
Harrisli.....	10.00 to 12.00	
Tulips, Jonquills, Daffodils.....	3.00 to 4.00	
Sweet Peas.....	.75 to 1.00	
Mignonette.....	.50 to .75	
Asparagus Plumoana, per string.....	.35 to .50	
Asparagus Plum, Sprays, per 100.....	2.00 to 5.00	
Asparagus Sprangeri, per 100.....	2.00 to 5.00	
Common Ferns, per 1000.....	2.50	
Galax Leaves, Bronze, per 1000.....	1.00	
" Green.....	1.00	
Green Leucothoe Sprays, per 100, 75; Red, 1.00		
Adiantum.....	1.00 to 1.25	
Smilax, per dozen.....	1.00 to 2.00	
All prices subject to change without notice.		

Wietor Brothers, 51 Wabash Avenue, CHICAGO. WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem.....	\$6.00
30-inch stem.....	5.00
24-inch stem.....	3.00
20-inch stem.....	2.50
16-inch stem.....	2.00
12-inch stem.....	1.50

ROSES.

ROSES.		Per 100
Bride and Maid.....		\$4.00 to \$8.00
Meteor and Gate.....		4.00 to 8.00
Liberty.....		6.00 to 10.00
CARNATIONS—Good stock.....		2.00
“ Large and fancy.....		3.00

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A Weekly Illustrated Journal.

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THE GARDENERS' CHRONICLE has been for OVER SIXTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, the information furnished is of such general and permanent value that the GARDENERS' CHRONICLE is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

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AM. FLORIST Co.:—It gives us pleasure to say that each year we have traced business resulting from our advertisement in the AMERICAN FLORIST, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year.

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The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also

THE INTERNATIONAL HORTICULTURAL TRADE JOURNAL.

Published quarterly. Both mailed post free for one year for One Dollar.

—PUBLISHERS:—

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

Now is Time to Sow

The New Hybridized Giant-Flowered
OBCONICA PRIMROSES

—AS—

CARMINE, PURPLE, VIOLET. Per 1000 seeds, \$1.00; trade packet, 50c.

Compacta.

A fine potter, per 1000 seeds \$1.50; tr. pkt., 50c.

Buttercup Primrose Grandiflora.

Per 1000 seeds, \$1.00; tr. pkt., 50c.

The above offered Strain, is unquestionably the Best. Guaranteed true, and new crop.

BABY PRIMROSE, per 1000 seeds, 50c; trade packet, 80c. **PEPPERMINT**, per 1000 seeds, 75c.

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HOBOKEN, N. J.

Please mention the American Florist when writing.

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We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

—THE—

Brown Bag Filling Machine Co.
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1904 NEW CROP Asparagus Seed

Per 100 Per 1000

Plumosus Nanus.....\$.55 \$4.00
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We are headquarters for all the best flower seeds; 100 page catalogue free.

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Alfred J. Brown Seed Co.

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For the Wholesale Trade.

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SEED GROWERS

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Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

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SEEDS
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THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. ❀ ❀ ❀

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SEED MERCHANTS AND SEED GROWERS.

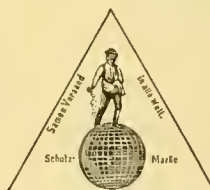
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A SPECIALTY.**

We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND.

Telegram Address: **SAMENEXPORT, Quedlinburg.**



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ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

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Wholesale growers of the leading sorts of **HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEONIAS**, Etc., Etc. We further ask your attention to our superior quality and special prices of **FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR.**, ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

**LEONARD
SEED**

Write for Prices.
WE ARE
HEADQUARTERS

FOR
ONION SETS.

Flower Seeds
and
Bulbs

CO.

**WHOLESALE
SEED GROWERS**

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. **Beans, Peas and Garden Seeds.** WRITE FOR PRICES.

CHICAGO.

Peacock's Dahlias.

Send for beautifully illustrated descriptive catalogue and trade list for 1905, Now Ready.

L. K. PEACOCK, Inc.,

Atco, N. J.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

OWENSVILLE, MO.—Judge Koch has acquired control of the Gibson & Pinnell Nursery and is disposing of the stock.

BLACK FOX, TENN.—Fruit trees are badly damaged by the cold winter. The Easterly Nursery Company reports \$4,000 loss to their stock, mostly peach trees.

ADRIAN, MICH.—The Lenawee County Horticultural Society held its fifty-fourth anniversary meeting March 8. James Lane is president and John Gregory secretary.

ST. JOSEPH, MO.—The St. Joseph Horticultural Society will hold at least five exhibitions of fruits, agricultural products and cut flowers during the summer, beginning with a strawberry show in June.

FREMONT, MICH.—The State Horticultural Society will hold its annual spring meeting March 21 and 22. Cultural methods for small fruits will be discussed, also home grounds, forestry and good roads.

RICHMOND, IND.—The Indiana Horticultural Society has obtained an appropriation of \$2,600 annually, to carry on experimental work; some of the money will be used in publishing pamphlets on fruit, toward employing lecturers, and for the formation of new county societies.

The Experiment Stations.

W. S. Thornber, instructor in the South Dakota Agricultural College, has been appointed horticulturist of the experiment station in the state of Washington.

To Protect Holly Trees.

Representative Prettyman introduced into the Delaware legislature a bill which will prohibit the breaking of any limb from a holly tree without the consent of the owner. In securing Christmas decorations many bushes were wantonly destroyed by thoughtless pickers. Instead of plucking the holly branch by branch the trees would be uprooted and damaged by rough usage.

Many merchants last season complained that the holly of late years was not so abundant and they attributed the scarcity to careless picking. The holly industry is an important one for hundreds of men, women and children in the lower part of the state who devote several weeks to it every year.

Worcester, Mass.

FRUIT GROWERS' CONVENTION.

The eleventh annual convention of the Massachusetts Fruit Growers' Association was held in Horticultural Hall March 8 to 9, and was very largely attended on both days. The first day's session was devoted to consideration of the possibilities of marketing the apple

crop by the fruit growers of New England. There were two addresses: "The Foreign Market," by George A. Cochran and "The Home Markets," by A. Warren Patch, both of Boston. During the afternoon session the following officers were elected: President, Jonathan Eames, of Sherborn; vice president, C. A. Whitney, of Upton; secretary, L. T. Maynard, Northboro; treasurer, J. W. Clark, North Hadley; auditor, J. Lewis Ellsworth, Worcester. On the second day the convention was addressed by the following: H. W. Collingwood, editor of the Rural New-Yorker, "The Care of Apple Orchards," Monroe Morse, of Medway, "Peach Culture," and H. O. Mead, of Lunenburg, "Plum Culture."

NOTES.

The Worcester County Horticultural Society held its annual banquet and dance in conjunction with the Massachusetts Fruit Growers' Association March 9. There was a very large attendance and addresses were made by the mayor and prominent men of the city and noted horticulturists.

Charles R. Fish, proprietor of the West Side Nurseries, has brought suit against Nance O'Neil, the actress, for \$1,000 for alleged breach of contract, claiming that she has refused to pay for certain shrubs, roses, vines and bulbs purchased of him.

Trade remains steady and good stock plentiful.

L.

Milwaukee.

The advent of Lent had but little effect on the trade, in fact business has kept up in good shape. Carnations are selling very well at present at fair figures. Violets are being received in large quantities and prices for same are ruling very low. American Beauty are the only short item on the list but the indications are the supply will shortly increase.

The Milwaukee Florist Club had its annual carnation night at its last meeting. A very fine display was made by both local and outside growers. Among those who exhibited were Palmer & Son, "Red Lawson;" Thompson Carnation Company, "Robert Craig;" Nic. Zweifel, Heitman & Baerman, Pohl & Krause, Aug. Manke, C. C. Pollworth, Fred Schmeling, R. Preuss, C. Zepnick, Holton & Hunkel Company and J. Valom. After the meeting the members enjoyed a nice banquet provided by the entertainment committee.

Indications are that the supply of lily plants for Easter will be adequate to any demand and the stock in general is in good condition.

Holton & Hunkel Company are now receiving extra fine Brides and Maids,

being the best stock so far seen in this city. V. H.

Omaha.

Stock is moving more rapidly as spring is advancing, trade being good with the supply and demand about evenly balanced. An unusual number of funerals during the past few weeks considerably increased the demand. Plants and cut flowers are in good condition, but lilies are likely to be too early for Easter.

There seems to be a disposition to return somewhat to the use of flowers for personal adornment, not only bunches of violets, but roses, single stems and moderate sized bunches.

The trade has not suffered much since Lent began, the buying of flowers for the sick being already a marked feature.

The Nebraska Florists' Society held its monthly meeting March 9 and was well attended.

Visitors: C. W. Scott, Chicago; Mr. Currie, Milwaukee.

L. H.

ASK FOR OUR WHOLESALE PRICE LIST ON

Bay Trees

with special discounts. Write now; it might be too late tomorrow.

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

GREAT BARGAINS In Shrubs and Roses.

400,000 Roses, 2-inch pots.
Hydrangea P. G., 3 to 4 feet.....\$9.00 per 100
" " 2 to 3 feet..... 6.00 per 100
500,000 Privet, prices on application.
Clematis Pan., 2 years..... 6.00 per 100
50,000 Field-grown Phlox.
30,000 Roses, 4-inch pots.

—Send for Surplus List.—

The ELIZABETH NURSERY CO.
Elizabeth, N. J.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted for growing this line as Aconite, Aster, Campanula, Delphinium, Funkia Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata, and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (especially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

Aug. Rhotert, English Manetti Stocks
SPECIAL CULTURE OF
For Florist Rose Grafting.

Grown by MESSRS. JOHN PALMER & SONS, Annan (Scotland).

FORCING LILACS.

Best German Pot-Grown in white and blue sorts; also the field-grown *Paris de Marly*, imported to order, for fall delivery. Let us appraise your wants.

AUGUST ROLKER & SONS, 31 Barclay St., NEW YORK, P. O. Box 752.

CACTI.

We are now making a plant and seed collecting tour of Arizona. Our price list is as follows:

Agave Applanata Parryi, 10c to \$3.00.
 Cactus Rainbow, 10c to 50c.
 Cereus Giganteus, to 2 ft., 50c to \$4.00.
 4 ft., 6 ft., 8 ft.: \$3.00, \$6.00; \$10.00.
 Cereus Greggii, \$1.50 to \$3.00.
 Dasylirion Wheeleri, a beautiful decorative plant; an evergreen; grayish-green flowers, hardy, height to 6 feet, 25c to \$5.00.
 Echinocactus Polycapalus, variation from Grand Canyon, scarce, single, in clumps, \$1.00 to \$5.00.
 Echinocactus Cylindraceus, 5 to 12-in., 25c.
 3 to 4 ft., 5 to 7 ft.: \$2.50 to \$3.00, \$5.00 to \$8.00.
 Echinocactus Emoryi, 5 to 12-in., 3 to 4 ft.: 25c, \$3.00.
 Echinocactus Leicodactylus, 6-in. to 3 ft.: 25c to \$3.00.
 Echinocactus Phoeniceus, hardy, clumps, 2 to 1000 plants, 1c per plant.
 Echinocereus Engelmannii, single 5c; in clumps, 25c per clump.
 White-spined, semi-hardy, 25c per clump.
 Echinocereus Fendleri, hardy, beautiful bloom, 25c.
 Echinocereus Wislizeni, 5 to 12-in., 25c to 50c.
 1 to 2 ft., 50c to \$2.50.
 Mamillaria Grahamii, single; clumps, 5c.
 Mamillaria Radisson Arizona, hardy, clumps, 1c per plant.
 Opuntia, 25 or more kinds, many hardy, 5c and upwards. Yucca Radiosa, hardy, 25c to \$3.00.
 Crates and packing material extra at cost price. Plants delivered at point of shipment. 10% discount for orders by the dozen. 20% discount for orders by the three dozen.

GEORGE & M. J. HOCHDERFER, Flagstaff, Arizona.
 Collectors of Plants and Seeds.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prize New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

ELLWANGER & BARRY

Mt. Hope Nurseries, Rochester, N. Y.

Drawer 1044 V Established 65 Years.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
 ROCHESTER, N. Y.

W. van Kleef & Sons,
 Wholesale Growers of all kinds NURSERY STOCK.
BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

PEONIES. Choice White.

Strong divided plants 3 to 5 eyes in quantity.

Festiva Maxima.....35c
 Queen Victoria.....12c
 Golden Harvest.....20c

Order AT ONCE for Spring Delivery.

Peterson Nursery, 503 W. Peterson Ave., CHICAGO.

It is good business policy to mention

The....
AMERICAN FLORIST

When you write to an advertiser.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR SPRING SALES

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	.15	\$1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3.50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
		Doz.	100
HYDRANGEA, Paniculata Grandiflora, bushy field-grown, 2½ to 3 feet.....	1.50	11.50	
Bushy field-grown, 12 to 18 inches	1.00	8.00	
HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr. old, pot-grown, for forcing	5.00	35.00	
CRIMSON RAMBLERS, strong, 2-year old No. 1.....	2.00	15.00	
2-year old, No. 2.....	1.50	10.00	
Strong, 3-year old, No. 1.....	2.50	18.00	
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00	

	Doz.	100
GRUSS an TEPLITZ, strong, 2-year old.....	\$2.00	\$15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
HERMOSA, strong, 2-year old.....	2.25	16.00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY, grafted.. Own roots.....	1.50	10.00
KAISERIN AUG. VICTORIA....	2.50	20.00
PAUL NEYRON, budded.....	2.50	20.00
LA FRANCE, budded.....	2.00	15.00
Anna de Diesbach, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ulrich Brunner, etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Special Evergreen Offer.

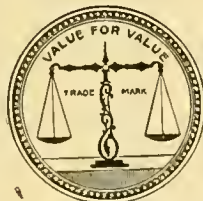
We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON, Little Rock, Ark.



RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

BAY STATE NURSERIES, North Abington, Mass.



Send to

THE MOON Company

For Trees, Shrubs, Vines Your and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.
 Morrisville, Pa.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100; \$25.00 per 1000. 2½ to 3½ feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

Jacs Smits, Ltd. NAARDEN, (Holland.)

(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy Fancy, Ornamental nursery stock, pot-grown forcing plants. Lilacs a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries. NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot. Please mention the American Florist when writing.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade.
 WILL B. MUNSON, Denison, Tex.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

The bowlers played their weekly games at Bensinger's alleys on Tuesday night, National S. A. F. champion, Stevens, carrying off the honors for highest score. The ladies made up a purse of candy money for best total in three games and Mrs. E. F. Winterson will enjoy the sweets, having made 381.

Player.	1st.	2d.	3rd.	4th.
Winterson	143	140	125	123
Asmus	179	135	173	153
Venson	136	130	131	136
Stevens	203	163	158	...
Pasternick	127	119	176	122
Cochran	113	140	119	132
Balluff	140	155	139	160
P. J. Hauswirth	157	175	154	147
V. Kreitling	141	159	167	162
Benesh	140	122	102	104

LADIES.

	1st.	2nd.	3d.
Mrs. Winterson	83	150	143
Mrs. Cochran	135	110	100
Mrs. Hauswirth	142	113	106
Mrs. Kreitling	127	125	132
Mrs. Asmus	138	99	104
Miss Brichette	68	92	67

At Denver.

No teams bowling in Denver played harder for their laurels than the four-men teams of the Denver Florists' league. This little league is going to turn out a few players some day who

will surprise the big team players and the individual high rollers. Their scores always show hard playing and those who have seen them work notice marked improvement with each match game. The score follows:

TEAM NO. 1.				
Player.	1st	2d	3d	Tot.
Zimmer	116	137	130	383
Keith	142	175	205	522
Berry	148	156	180	484
Mahon	153	151	148	452
Totals	559	619	663	1841

TEAM NO. 2.				
Player.	1st	2d	3d	Tot.
Breukn	125	129	120	374
Reynolds	120	123	107	350
Valentine	130	137	144	411
N. A. Benson	89	187	180	456
Totals	464	576	551	1591

TEAM NO. 3.				
Player.	1st	2d	3d	Tot.
Frazer	194	164	148	506
Kennedy	129	136	144	409
Bush	131	126	191	448
Scott	152	166	194	512
Totals	606	592	677	1875

TEAM NO. 4.				
Player.	1st	2d	3d	Tot.
Gillis	116	113	100	329
C. Benson	118	136	202	456
C. Mauff	144	138	173	455
Blaber	135	157	151	443
Totals	513	544	626	1683

At Omaha.

The florists' bowling team is anticipating competing at the convention in Washington this summer. The following are the scores made Thursday evening, March 9.

Player.	1st.	2d.	3d.
F. W. Jacobs	145	171	154
J. Bath	110	162	135
W. Ellsworth	118	135	140
George Sorensen	126	130	135
L. Henderson	147	155	150

Baltimore.

MARKET GENERALLY FIRM.

There was a rush in trade for the two or three days immediately preceding Lent—balls, dinners, receptions, lunches and teas—but Ash Wednesday, as usual, was a quiet day with nothing doing in the florists' line. For a day or two there was a general sagging, then gradual recovering, and by Saturday there was briskness all around and stocks on hand were pretty well cleared off, some, naturally, at pressure prices. Monday, with bright skies and splendid conditions for carriages and pedestrians, found everybody beginning the week with cheerfulness and hopeful anticipations of improving business. All last week was miserable and depressing weather, chilly temperature and rain and fogs for five days out of seven. The nights keep cool and brisk firing is still in order. Stock comes in in greater quantity and improved in shape. There is some little decline in prices. At last there are some American Beauty to be had, but they are not overabundant.

S. B.

MILWAUKEE, WIS.—

The annual spring flower show of the park system opened March 12. The exhibit excels that of any previous year.

HUSTEAD, O.—

The Clark County Horticultural Society held its regular monthly meeting March 9. J. C. Allen read a paper on "Flowers on the Lawn."

POMONA, N. C.—

The J. Van Lindley Nursery Company is preparing to build two more new greenhouses to meet their ever increasing demand, one house 30 x 100 feet for asparagus and smilax, and one 24 x 212 feet for violets.

Seasonable Seeds for Florists' Use.

VAUGHAN'S ASTERS.

"THE CARLSON." The Early Late Variety.

White, Rose Pink, Lavender, Marquis-Pink, Violet-Blue, Daybreak Pink and Mixed. Each, trade pkt., 20c; any 3 for 50c; or per ¼ oz., 30c; oz., \$1.00.

Branching or Semple. Best Late Variety.	Trade Pkt., 10c.	¼ oz.,
White, Rose Pink, Purple, Light-blue,	20c.	Oz., 60c.
Lavender, Red, Daybreak pink	Trade Pkt. ¼ oz.	Oz.
Mixed	lb. \$6.00	.10 .20 .40

Vaughan's Upright White Branching

Vaughan's Upright Pink Branching

NEW EVER-BLOOMING ASTER "IDEAL."

Best Early Variety.

This new Aster produces, perhaps, more salable cut flowers to a plant than any other kind. The plants grow from 16 to 18 inches high and are in bloom from the beginning of August to the end of September almost uninterruptedly. In shape the flowers resemble the Victoria type, except that the petals are looser so as to give the flowers a very graceful appearance. White, light blue, dark blue, crimson; each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c; 250 seeds, \$1.15; 1000 seeds, \$4.10. Price for larger lots on application.

Southern Outdoor-Grown Seed. Per 1000 seeds, \$3.00; 5000 seeds, \$12.50.

ASPARAGUS PLUMOSUS ROBUSTUS, NEW.

100 seeds, \$1.00; 1000 seeds \$9.00.

DECUMBENS.

Fine for Cut. 100 seeds, 50c; 1000 seeds, \$4.00.

COMORENSIS.

Like a Plumosus, but grows taller and quicker and is darker in color; splendid for cut. 100 seeds, \$1.00; 1000 seeds, \$7.50.

COBAEA SCANDENS.

Trade pkt., 10c; oz., 40c; lb., \$4.00.

BALSAM.

Alba Perfecta. This is the largest and best double white Balsam, unequaled in doubleness and large size of its camellia-shaped flowers, trade pkt., 10c; ¼ oz., 25c; oz., 75c.

CANDYTUFT.

Giant Hyacinth-Flowered. This improved strain is superior to Empress. Trade pkt., 10c; ¼ oz., 15c; 1 oz., 25c; lb., \$2.50.

CENTAUREA.

Imperialis, mixed and Alba, pure white, trade pkt., 10c; oz., 50c, lb., \$5.50.

SOLANUM CAPSICASTRUM.

Jerusalem Cherry, makes fine plants for Christmas sales, trade pkt., 10c.

VAUGHAN'S CHRISTMAS PEPPER.

Sow it now. Pkt., (250 seeds) 25c.

SWEET PEAS.

	Oz.	¼ Lb.	Lb.
Best White—Dorothy Eckford .....	.10	.25	.75
Best Lavender—Lady Grisell Hamilton .....	.05	.15	.40
Best Red—King Edward VII .....	.10	.25	.75
Best Pink—Lovely .....	.05	.10	.30
Best Bright Blue—Mrs. Geo. Higginson, Jr. ....	.35	.85	3.50
Best Bright Blue—Flora Norton .....	.30	.80	3.00

RADISH.

Scarlet Globe, Vaughan's Select stock. Oz., 10c; ¼ lb., 23c; lb., 70c.

LETTUCE.

Black Seeded Simpson, Vaughan's Select stock. Oz., 10c; ¼ lb., 25c; lb., 80c.

Grand Rapids Forcing. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

EGG PLANT.

N. Y. Improved. Pkt., 5c; ¼ oz., 15c; oz., 25c.

TOMATO.

	Pkt.	¼ oz.	Oz.
Earlana .....	.10	.25	.40
Early Michigan .....	.10	.15	.25
Cream City .....	.10	.15	.25
Dwarf Champion .....	.10	.15	.30
New Stone .....	.10	.15	.25

CELERY.

White Plume

Snow White

CABBAGE.

Early All Head. Oz., 20c; ¼ lb., 60c.

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this two per cent.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street. 84-86 Randolph Street, CHICAGO.

Carnations

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise, Peru.....	1.00	9.00
RED.	Per 100	Per 1000
Estele.....	2.50	20.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Enchantress.....	3.00	25.00
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay, Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00
Liberty.....	5.00	45.00

	Per 100	Per 1000
La Detroit.....	\$ 6.00	\$50.00
Uncle John.....	4.00	35.00
Kaiserin.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory, Perle.....	3.00	25.00

AM. BEAUTY BENCH PLANTS, per 100 \$6.00; per 1000.....\$50.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

THE BEST WHITE CARNATION IS

Lieut. Peary (WARD)

CERTIFICATED 90 POINTS.

PEDICREE—White seedlings for several generations. **COLOR**—Snow white. **FRAGRANCE**—Very strong clove, decidedly fresh, and pleasing. **SIZE**—Large, averaging 3 inches in diameter on strong stiff stems, 18 to 20 inches in length. **FLOWER**—Full, broad petaled and high center and of a fine symmetrical form. **CALYX**—Long, strong and does not burst. Fine keeper and excellent shipper. **HABIT**—Strong and erect. **GRASS**—Medium width. **CONSTITUTION**—Very vigorous and free from disease. Cuttings root rapidly and will be sent out in the most perfect condition. Commences blooming October 15th and flowers continuously throughout the Winter, affording an abundant crop. A first-class commercial variety in every respect. Now booking orders.

Price, \$12.00 per 100; \$100.00 per 1000.

COTTAGE GARDENS CO., Queens, N. Y.
Incorporated.

ALSO THE FOLLOWING
NOW READY:

3,000 ETHEL WARD.....	\$7.00 per 100.
2,000 THE PRESIDENT.....	\$60.00 per 1000
2,000 WHITE LAWSON.....	
5,070 ENCHANTRESS.....	\$1.00 per 100;
2,000 CHRISTMAS EVE.....	\$30.00 per 1000.
2,000 GOLDEN EAGLE, \$5.00 per 100.	\$10. \$10 per 1000.
1,000 HARRY FENN.....	\$3.00 per 100;
5,000 LAWSON.....	\$25.00 per 1000.
2,000 PROSPERITY, \$2.00 per 100;	\$15.00 per 1000.
3,000 MACKINAC.....	
2,000 THE BELLE.....	
2,000 LADY BOUNTIFUL.....	
3,000 JUDGE HINSDALE.....	\$6.00 per 100.
2,000 MRS. PATTEN.....	\$50.00 per 1000.
2,000 NELSON FISHER.....	
2,000 OCTOORON.....	
2,000 FLAMINGO.....	

50 of a kind at 100 rate; 250 of a kind at 1000 rate.

NEW CARNATION William Penn

A very pleasing salable shade of pink. I have grown it for five years and it gave me more good salable flowers than any other variety up-to-date.

Should be planted by every grower of cut flowers if he wants a continuous cut of flowers the whole season. Every shoot a flower. I will mail 25 well-rooted cuttings free of charge for \$2.50; \$10 per 100. \$75 per 1000. 250 for \$18.75. 10,000 cuttings now ready. All orders filled promptly.

FRANK L. KOHR, Lancaster, Pa.
—R. F. D. No. 3—

My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white. We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

THE NEW ROSE

Wellesley

Is a Welcome Addition to the List of FORCING ROSES.

Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

PRICES:

Own Root.	Grafted.
\$ 25..... per 100	\$ 30..... per 100
\$ 55..... per 250	\$ 70..... per 250
\$100..... per 500	\$130..... per 500
\$200..... per 1000	\$260..... per 1000

**WABAN ROSE CONSERVATORIES,
NATICK, MASS.**

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing.

Minneapolis.

MARKET QUIET.

Trade the past week has been of a quiet nature, and the florists in general complain of small and slow sales. A number of the large growers have crops of teas and carnations in full swing, causing the market to drop some degrees. In fact all stock is plentiful at the present writing, with no possibility of rise for a few days at the least calculation. Beauty is the only article that is scarce with good prices ruling. Business will be affected to a certain extent by the Lenten season, and with a late Easter some trouble will be experienced in holding lilies to the proper stage of bloom.

TRADE NOTES.

Murtfeldt & Patthy, 826 Nicollet avenue, have dissolved partnership, Mr. Murtfeldt retaining the store at the old stand. Miss Patthy has opened up an up-to-date store at 11 7th street, South, under the name of Thompson & Patthy.

The florists of St. Paul and Minneapolis intend to hold a bowling tournament in a few days followed by a banquet at one of the leading hotels. It has not been decided in which city the occasion will be held.

Warm weather the past few days has brought the "Greek" stands out, but only for a short time, as the temperature is back around the zero mark.

R. Will & Sons intend to enlarge their range of glass the coming season, as also Carlson & Sandberg, 19th avenue, Northeast.

The Dayton Flower Department, under management of Latham & Desmond report business opening up in fine shape.

E. M. Sherman of Charles City, and Richard Alston of Winnipeg, Manitoba, were recent visitors to the city.

C. T. R.

Oceanic, N. J.

At the meeting of the Monmouth County Horticultural Society, March 3, Frank Brunton was elected to membership. The secretary reported that eight essays had been sent in by the assistant gardeners for the prize contest. The names of the winners will be announced at the next meeting, March 17, and the prize papers will be read and discussed. The subject for the essays, to be sent in before April 7, is "Fruit Culture in general under Glass." These essays are also to be written by the assistant gardeners and prizes will be awarded to the best two. George Hale exhibited Morgan roses, which scored 85 points. The judges were W. W. Kennedy, H. Griffiths and Wm. Ritchie. The discussion of the evening was on the subject of "The Value of the Gardeners' Union."

B.

Holyoke, Mass.

The Holyoke Horticultural Society met on the evening of March 1 at the residence of J. S. Webber. The speaker of the evening was M. H. Walsh, of Woods Hole, the well known grower and hybridizer of roses. His subject was "Roses and their Culture." Roses were on exhibition, including Wellesley, sent by the Waban Rose Conservatories, Natick, Mass. J. N. May, of Summit, N. J., sent the new General MacArthur rose.

Carnations

Rooted Cuttings
Ready Now except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000. Strong plants from soil.

	Per 100	1000		Per 100	1000
Albatross, white.....	\$5.00	\$40.00	Harlowarden, crimson.....	\$2.50	\$20.00
America, red.....	1.75	15.00	Indianapolis, pink.....	5.00	40.00
Boston Market, white.....	3.00	20.00	Morning Glory, light pink.....	2.00	18.00
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, pink.....	3.00	25.00
Crisis, new scarlet.....	12.00	100.00	Mrs. Joost, pink.....	1.75	15.00
Crusader, red.....	5.00	40.00	Mrs. Patten, variegated.....	6.00	50.00
Dabell, crimson.....	6.00	50.00	Nelson Fisher, deep pink.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00	Prosperity, fancy.....	3.00	25.00
Eclipse, Dorner's pink.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Enchantress, light pink.....	4.00	30.00	Red Lawson, new red.....	10.00	75.00
Estelle, scarlet.....	3.00	25.00	Richmond Gem, new scarlet.....	10.00	75.00
Fiancee, new (April 1).....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	Vesper, white.....	5.00	40.00
Flora Hill, white.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
Genevieve Lord, light pink.....	1.75	15.00	White Cloud, white.....	1.75	15.00
Gov. Wolcott, white.....	2.50	20.00	White Swan, new white.....	10.00	80.00

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Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
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Fine, Clean, Healthy Stock. Satisfaction
Guaranteed.

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GOLDEN GATE.....	1.50	12.50
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	Per 100	Per 1000
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CRUSADER.....	\$5.00	\$45.00
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PINK		
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
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MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00
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HIGINBOTHAM.....	1.00	9.00
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.25	10.00
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00
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M. A. PATTEN.....	5.50	45.00

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Send for price list of all the new and
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500,000 VERBENAS —60— VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2½-inch pots.....\$2.50 per 100; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : : :

CRISIS, New Commercial Scarlet.....\$12.00 per 100; \$100.00 per 1000.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Patten.....	\$6.00		Flamingo.....	\$6.00	
Judge Hinsdale.....	4.00		Dorothy Whitney.....	3.10	
Lady Bountiful.....	5.00		Golden Beauty.....	3.00	
	100	1000		100	1000
Wm. Scott.....	\$1.25	\$10.00	Mrs. Lawson.....	\$2.00	\$15.00
Floriana.....	1.25	10.00	Adonis.....	2.50	20.00
Lorna.....	1.25	10.00	Harry Fenn.....	2.00	15.00
Eldorado.....	1.25	10.00	Gov. Roosevelt.....	1.50	12.00
Mrs. Joost.....	1.25	10.00	Mrs. P. Palmer.....	1.25	10.00
Enchantress.....	3.00	25.00	The Queen.....	2.50	20.00
			Buttercup.....		\$3.00
			Prosperity.....		2.00
			Mrs. J. H. Manley.....		2.50
				100	1000
			Mrs. E. A. Nelson.....	\$1.50	\$12.00
			White Cloud.....	1.50	12.00
			Flora Hill.....	1.25	10.00
			Portia.....	1.25	10.00
			Queen Louise.....	1.25	10.00
			Dorothy.....	1.25	10.00

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$12.00 per 100; 3½-inch pots, per 100.....\$18.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100..... 10.00
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SEND FOR PRICE LIST.

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FIRST-CLASS, WELL-ROOTED, CLEAN
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WHITE LAWSON.....	\$5.00	\$40.00
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LADY BOUNTIFUL.....	5.00	40.00
M. A. PATTEN.....	5.00	40.00
ENCHANTRESS.....	3.00	25.00
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—Unrooted Cuttings at One-Half Price.—

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VICTORY

To Be Disseminated 1906.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

—PLACE YOUR ORDERS FOR ROOTED CUTTINGS.—

	Per 100	Per 1000		Per 100	Per 1000
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NELSON FISHER.....	6.00	60.00	GOETHE, light pink.....	2.00	20.00
MRS. PATTEN.....	6.00	60.00	GENEVIEVE LORD.....	1.50	15.00
ENCHANTRESS.....	3.50	30.00	MANLEY.....	3.00	25.00
PROSPERITY.....	2.50	20.00	MACEO.....	1.50	15.00
THE BELLE.....	6.00	60.00	CERVERA, variegated.....	1.50	15.00
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—5 per cent discount for cash with order.—

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Scottii Ferns.

Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
2½-inch.....	\$2.00	\$12.50
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4-inch.....	5.00	

Pierson Ferns 2½-inch 60c per dozen, \$1.00 per 100.

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JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,
and Novelties in Decorative Plants.
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100,000 Alternantheras.

STRONG ROOTED CUTTINGS.

Brilliantissima, the best deep red, 75c per 100; \$6.00 per 1000. A. Nana, yellow, 50c per 100; \$4.00 per 1000. P. Major, red, 50c per 100; \$4.00 per 1000. Special prices on 5,000 or more.

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WEST VIRGINIA.

Dry bulbs, \$3.00 per 100. Started plants April 1, \$5.00 per 100. Stock limited. Speak quick.

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CLEAN, HEALTHY STOCK.

Queen Louise.....	\$1.00	\$10.00	Pres. McKinley.....	\$1.40	\$12.50
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Special prices on large lots. Unrooted slips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

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CARNATIONS. Clean, healthy Rooted Cuttings.

RED. Manley Mrs. Potter Palmer Mrs. Ine Flamingo Harlowarden	RED. America PINK. Enchantress Mrs. Higinbotham Mrs. Lawson	PINK. Mrs. Nelson Guardian Angel WHITE. White Cloud Queen Louise	Bon Homme Richard Flora Hill VARIEGATED. Prosperity Armazindy Her Majesty
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ROSE PLANTS, from 2-inch pots.

American Beauty, Bridesmaid Perles, Liberty, Bride, Golden Gate.

Shipped promptly from Greenhouses of MICHAEL WINANDY. Write for prices and terms.

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CRISIS

This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

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Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked now are for March delivery.....

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Please mention the American Florist when writing.

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WELL ROOTED, FROM SELECTED STOCK.

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D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	3.00	25.00
MANLEY.....	3.00	25.00
H. FENN.....	2.50	20.00
FAIR MAID.....	2.50	20.00
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Same varieties from pots 50c more per 100.

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can be started now by advertising in this journal. Don't delay in commencing next winter's business. The best orders are placed early with advertisers in

TRY THIS PLAN.

Carnations, Roses and 'Mums.

We Need Room. SPECIAL OFFER.

	R. C. per 1000	2½-in. per 1000
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Wolcott, Prosperity.....	12.50	\$25.00
Crusader.....	25.00	35.00
White Lawson.....	40.00	50.00
Harlowarden.....	15.00	25.00
White Cloud.....	12.50	25.00
Mary Wood.....	\$2.50 per 100; 12.50	
Mrs. Manley.....	3.00	20.00
Lawson.....	12.50	25.00

ROSES. 30,000 Chateaux, 2 and 3 eye cuttings, fine. Rooted cuttings, \$20.00; 2½-in. \$35.00 per 1000. 20,000 2-in. Beauties, \$5.00 per 100; \$45.00 per 1000. 10,000 2½-in. Gates, \$3.00 per 100; \$25.00 per 1000; R. C., \$12.50 per 1000.

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The great "Bread and Butter" holly berry red. Early and continuous, sure crop for Christmas. Never splits; strong healthy grower, 2½ to 3-inch flower on long wiry stem that well supports the bloom, an easy doer and an all-around money maker. 'Nough said. Price for immediate delivery, 12 for \$1.60; 25 for \$2.50; 50 for \$4.00, all postpaid. \$6.00 per 100; \$50.00 per 1000.

QUEEN LOUISE, the standard white, strong healthy well-rooted, \$1.25 per 100, postpaid; \$10.00 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, PURCELLVILLE, VA.
CARNATION SPECIALISTS.

THE AMERICAN FLORIST

Rooted Carnation Cuttings.

PINK		Per 100	Per 1000
Enchantress.....		\$3.00	\$25.00
Fair Maid.....		2.50	20.00
Alpine Glow.....		2.50	20.00
Lawson.....		2.00	15.00
Nelson.....		2.00	15.00
WHITE			
Queen.....		2.50	20.00
Queen Louise.....		2.00	15.00
Boston Market.....		2.50	20.00
Marion.....		2.00	15.00
RED			
Flamingo.....		6.00	
Crusader.....		6.00	
Crane.....		2.00	15.00
Mrs. Patten.....		6.00	
Prosperity.....		2.50	20.00
Harlowarden.....		3.00	25.00

We can furnish Cuttings of all the Standard Varieties.

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The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

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Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	50.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

GRAFTED ROSES.

We are now hooking orders for future delivery. Write for prices.

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The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

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CARNATIONS STRONG ROOTED CUTTINGS.

WE OFFER FIRST-CLASS STOCK OF THE FINEST VARIETIES.

Variegated Lawson. This variety which we are introducing this season we are sure will prove to be the very best variegated sort. Pure ivory white with delicate carmine pencillings. Mr. W. N. Craig, an authority on everything pertaining to horticulture, says that he knows that this variety will outbloom the favorite Mrs. M. A. Patten three to one. It has the Lawson habit and stem, and is bound to give satisfaction. \$12 per 100; \$100.00 per 1000.

Red Lawson. A bright red sport of Lawson that is bound to be popular, and will be grown where Lawson is popular. \$10.00 per 100; \$75.00 per 1000.

Cardinal. Bright cardinal, or crimson scarlet. Won first prize for best 100 scarlet, first prize for best 50 carnations any color, first prize for best 50 scarlet seedling, Chicago. \$12 per 100; \$100.00 per 1000.

Fiancee. The queen of pink carnations; in a class by itself. Magnificent flowers; strictly fancy in every respect. \$12.00 per 100; \$100.00 per 1000.

Fred. Burki. Recommended as an extra free-blooming white variety and a claimant for popular favor. \$12.00 per 100; \$100.00 per 1000.

White Lawson. We consider this variety, which we introduced last season, the most profitable white carnation ever sent out. We think it will outbloom any other white two to one. It has given great satisfaction. When the flowers are left on the plants until fully developed they are much larger than Mrs. Thos. W. Lawson. We believe this will occupy among white carnations the same place that Mrs. Thos. W. Lawson does among pink carnations. Remember that we are headquarters for it. Splendid stock ready for immediate delivery. \$7.00 per 100; \$50.00 per 1000.

LADY BOUNTIFUL. A magnificent white of last season's introduction. \$6.00 per 100; \$50.00 per 1000.

DAHEIM. Dark crimson. Grand stiff stem. Calyx never bursts. Free and abundant bloomer, developing very quickly. We consider this the best all-around crimson carnation. \$6.00 per 100; \$50.00 per 1000.

MRS. M. A. PATTEN. This grand variegated

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ENCHANTRESS. Freest blooming, bringing highest market prices. \$4.00 per 100; \$30.00 per 1000.

MRS. THOS. W. LAWSON. \$3.00 per 100; \$20.00 per 1000.

PROSPERITY. A magnificent fancy carnation. \$3.00 per 100; \$20.00 per 1000.

We are now prepared to book orders for 1906 **VICTORY.**
for THE COMING SCARLET CARNATION

This is a real bread-and-butter variety. An early, free and abundant bloomer, with good stem; a magnificent keeper and shipper; flowers of the largest size, commanding the very highest price. This is going to be a money-maker. Orders will be filled in rotation, as received. Delivery beginning December next. \$12.00 per 100; \$100.00 per 1000.

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Now Ready.

**White Lawson,
Flamingo,
Nelson Fisher,
Crusader.**

\$6.00 per 100; \$50.00 per 1000.

**The Three Grand New
CHRYSANTHEMUMS
MAJESTIC, ADELIA and
MADONNA.**

R. C. \$3.00 per doz; \$15.00 per 100
2-in. pots 20.00 per 100

**Three Fine
SNAPDRAGONS,**

**Our Giant Pink, a grand
White and a fine Yellow.**

\$6.00 per 100; \$50.00 per 1000.

**The Fine New Pink Rose
LA DETROIT.**

2½-inch pots, \$8.00 per 100; \$75.00
per 1000.

The New Red General MacArthur.

2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

**JOHN BREITMEYER'S SONS,
DETROIT, MICH.**

CARNATIONS

WM. PENN. A promising pink bloomer ever happened. From soil \$10 per 100; 25 for \$2.50.

Queen Louise, from soil at \$10.00 per 1000.
Floriana, from soil at \$12.50 per 1000.

Big Batch of Cuttings From Sand. Ready
March 20. Send for March price list.

GERANIUMS

ROOTED CUTTINGS.

Next Delivery March 27. \$10 and 12 50
per 1000.

100,000 Smilax. 50,000 Sprengeri.
50,000 Plumosa and Robustus.

Ready June 1. Send for prices.

ALBERT M. HERR,

Lancaster, Pa.

Palms and Asparagus Cheap.

	Per 100
Latania Bor., 2-in. pot, seed leaves..	8.00
" " 8-in. pot, 15-18 in., 2-8 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2 1/2-in. pot, 6-8 in., 2 leaves..	10.00
" " 8-in. pot, 8-10 in., 3-4 leaves..	12.50
" " 4-in. pot, 12-15 in., 4-5 leaves..	16.00
Asparagus Sprengeri, 2-inch.....	\$2.00
Asparagus Plumosus Nanus, 2-inch.....	2.50
" " 3-inch.....	5.00

SHERMAN NURSERY CO.,
CHARLES CITY, IA.

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SCOTTII

The Most Graceful Nephrolepis Known

Retailers who have handled this fern are unanimous in proclaiming it the best Fern ever introduced.

Consult any grower who has bought Scottii and he will tell you that it is as far ahead of the Boston as that variety is ahead of all other introductions.

See my adv. on second cover page in American Florist of Feb. 25th.

JOHN SCOTT, Keap Street Greenhouses,
BROOKLYN, N. Y.

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E. 45th St. and Rutland Road, Flatbush.

TELEPHONE, 1207 WILLIAMSBURG.

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Geo. Wittbold Co.,
1657 Buckingham Pl., CHICAGO, ILL.

Send for Price List on

Palms and Ferns
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JOSEPH HEACOCK,
WYNCOTE, PA.
—GROWER OF—

Kentia Belmoreana
and **Kentia Forsteriana**

Please mention the American Florist when writing.

BOSTON FERNS.

Extra fine stock, out from bench now ready for 5, 6, 7 and 8-inch pots, at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please.

L. H. FOSTER, 45 King St.,
DORCHESTER, MASS.

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Asparagus Plumosus,
50 CENTS PER STRING.

Carnation Blooms and Rooted Cuttings.
Good stock.

W. H. WATSON, Lapeer, Mich.
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HINODE FLORIST CO.
...JAPANESE NOVELTIES...

TINY PLANTS, in 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100.

RHAPIS, 5 to 15 shoots, 50 cents each.

LARGEST GROWERS OF EASTER LILIES.

WOODSIDE, N. Y. and WHITESTONE, L. I., N. Y.

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EARLY STRUCK PLANTS

OF EARLY 'MUMS

Ivory, Opah, Lady Fitzwygram, Polly Rose, Mme. Bergman, Glory of Pacific, Monrovia, Wm. Simpson. Omega.

\$2.50 Per 100

For complete list of new and old varieties send for Catalogue.

CARNATIONS. Sturdy Little Pot Plants From Best Cuttings.

Per 100	Per 100	Per 100
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Gov. Wolcott.....3.00	Geo. H. Crane.....2.50	Morning Glory.....2.50
Indianapolis.....4.00	Glacier.....2.50	President McKinley.....2.50
Mrs. E. A. Nelson.....2.50	Lorna.....2.50	White Lawson.....7.00
Mrs. Lawson.....2.50	Floriana.....2.50	Cardinal.....12.00

Send for prices on large lots.

Per 100	Per 100
Dracaena Indivisa, 2 1/2-inch.....\$3.00	SMALL PALMS from 2 1/2-inch pots. Per 100
" " 3-inch.....4.00	Kentia Belmoreana.....\$5.00
Boston Fern, 2 1/2-inch.....3.00	Areca Lutescens.....4.00
Assorted Ferns for Disks.....3.00	Latania Borbonica.....3.00
	Cocos Weddelliana.....8.00

The STORRS & HARRISON Co. PAINESVILLE, OHIO.

CARNATION CUTTINGS.

THE BEST. NOW READY.

WHITE.	Per 100	1000	PINK.	Per 100	1000
Lady Bountiful.....	\$8.00	\$50.00	Enchantress.....	\$3.00	\$25.00
White Lawson.....	6.00	50.00	Mrs. Lawson.....	2.00	15.00
The Belle.....	5.00	40.00	Fair Maid.....	2.00	15.00
Moonlight.....	4.00	30.00	Fiancee.....	12.00	100.00
SCARLET.			VARIEGATED and FANCY.		
Crusader.....	5.00	40.00	Mrs. M. A. Patten.....	6.00	50.00
Flamingo.....	5.00	40.00	Whitney, yellow.....	4.00	30.00
Cardinal.....	12.00	100.00	M. Field.....	3.00	25.00
CRIMSON.			Prosperity.....	2.00	15.00
Harlowarden.....	2.00	15.00			

Chicago Carnation Co.
JOLIET, ILLINOIS.

RICHMOND GEM. READY NOW. The free blooming scarlet. \$10.00 per 100; \$40.00 per 500; \$75.00 per 1000. Also

Per 100	Per 1000	Per 100	Per 1000
Lawson.....\$1.50	\$12.50	Mrs. F. Joost.....1.25	10.00
Boston Market.....2.50	20.00	Prosperity.....1.50	12.50
Queen Louise.....1.25	10.00		

Keep in touch with "MELODY," the daybreak sport from Lawson.

Quality Is Our Hobby.

W. C. HILL FLORAL CO., Streator, Ill.

ROOTED CARNATION CUTTINGS

Per 100	1000
WHITE LAWSON.....\$6.00	\$50.00
FLAMINGO.....6.00	50.00
ENCHANTRESS.....3.00	25.00
THE QUEEN.....2.50	20.00
CARDINAL, from 2-inch pots.....12.00	

Larchmont Nurseries,
Larchmont, N. Y.

Rooted Cuttings.

PREPAID, per 100. Ageratum, S. Gurney, 50c. Alternantheras, best red and yellow, 50c; \$4.00 per 1000. Coleus, best bedders, 60c. Fuchsias, Tropaeae and other good sorts, \$1.00. Salvias, Splendens, Bonfire, 90c. Heliotrope, blue, \$1.00. Pelonias, 16 best sorts, \$1.00. Verbenas, Giant Mixed, Dreer's seedlings, 30c. Cash.

BYER FLORAL CO., Shippensburg, Pa.

FOR BARGAINS

In anything in the way of plants, see GEO. A. KUHLE'S Advertisement in last week's issue, page 304.

CARNATIONS Fine, strong, healthy, well rooted cuttings. Per 100
Prosperity, Joost, Lawson, Wolcott.....\$2.00
Moonlight.....3.00
BOSTON FERNS 4, 5 and 6-in. pots. Elegant, strong, healthy, well rooted plants from bench, 15c, 20c and 30c respectively. S. A. Nutt **Cerataniums**, healthy, 2 1/2-in., \$3.50 per 100. **Plumosus** and **Sprengeri**, 3-in. only, \$4.00 per 100. Above prices cash with order.

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Every day in the week, all over the country,
At Home and Abroad. ❀ ❀ ❀ ❀

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Acemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaune**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75c per dozen; \$6.00 per 100.

Acemone Price Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

	Per doz.	100
Achillea, The Pearl, strong 3-in. pots	\$ 75	\$ 5.00
Asclepias Tuberosa, strong 1 yr. old roots	75	6.00
Asters hardy in var. strong 3-in. pots	1.00	8.00
Edna Mercia, a fine new pink var.	2.00	15.00
Grandiflorus; large flowered late blue	2.00	15.00
Boltonia Latisquama, 4-in. pots	75	6.00
Asteroides, 4-in. pots	75	6.00
Campanula Moeheimi, 3-in. pots	1.25	10.00
Pyramidalis, strong 1 yr. clumps	1.00	8.00
Caryopteris Mastacantha, 3-in. pots	75	6.00
Chrysanthemum Shasta Daisy, 2 1/2-in. pots	60	4.00
Chrysanthemum Maximum Triumph 3-in. pots	75	6.00
Cimicifuga Simplex (rare) strong plants	3.50	25.00
Clematis Recta, strong 2 year old	1.50	12.00
Coreopsis Lanceolata, heavy 4-in. pots	75	5.00
Delphinium Formosum, strong 4-in. pots	75	6.00
Belladonna (rare) very free flowering	2.50	20.00
Dianthus Latifolius Afroccineus, 2 1/4-in. pots	60	4.00
Digitalis Gloxiniaeflora, 4-in. pots	75	6.00
Doronicum Austriacum, 3-in. pots	1.00	8.00
Excelsum, 3-in. pots	1.00	8.00
Erigeron Coeruleus Grandiflorus, 3-in. pots	1.00	8.00
Eupatorium Ageratoides, 4-in. pots	75	6.00
Coelestinum, 3-in. pots	75	6.00
Feverfew Little Gem, 2 1/4-in. pots	60	4.00
Funkia Subcordata Alba, 4-in. pots	1.00	8.00
Gaillardia Grandiflora, heavy 4-in. pots	75	6.00
Gypsophila Paniculata, strong 1 year old roots	75	6.00
Helenium Autumnale Superba, 4-in. pots	75	6.00
Pumilum, 3-in. pots	1.00	8.00
Magnificum, 3-in. pots	1.25	10.00
Helianthus Multiflorus Fl. Pl., strong	75	6.00
Maximus, strong	75	6.00
Maximiliana, strong	75	6.00
Meteor, strong	75	6.00
Soleil d'Or, strong	75	6.00
Wolley Dod, strong	1.00	8.00
Heliopsis Pitcherianus, 4-in. pots	1.00	8.00

	Per doz.	100
Heliopsis Scaber Major, 4-in. pots	\$1.00	\$8.00
Hollyhocks, Dreer Superb Double in separate colors	1.25	10.00
Hollyhocks, Dreer Superb Double in choice mixture	1.00	8.00
Hypericum Moserianum, 3-in. pots	1.00	8.00
Iberis Sempervirens, 3-in. pots	75	6.00
Iris Kaempferi, 24 choice named var.	1.25	10.00
finest mixed	1.00	8.00
Germanica, 12 choice name var.	75	6.00
fine mixed	50	4.00
Lobelia Cardinalis, strong 4-in. pots	75	6.00
Lychnis Chalcedonica, strong 3-in. pots	75	6.00
alba, strong 4-in. pots	75	6.00
Rubra, Fl. Pl. strong 3-in. pots	2.00	15.00
Viscaria Splendens, strong 4-in. pots	1.00	8.00
Lysimachia Clethroides, strong 4-in. pots	75	6.00
Myosotis Palustris Sempervirens, strong 3-in. pots	50	4.00
Alpestris Grandiflora, strong clumps	50	4.00
Paeonies in choice varieties; see catalogue for varieties	1.50	12.00
Penstemon Gentianoides, 3-in. pots	1.00	8.00
Physostegia Virginica, strong 4-in. pots	75	6.00
alba, strong 4-in. pots	75	6.00
Perennial Phloxes, 25 finest varieties	75	5.00
Pinks Hardy, 6 best varieties, 4-in. pots	75	6.00
Pyrethrum Uliginosum, strong plants	75	6.00
Rudbeckia Golden Glow, strong 4-in. pots	75	6.00
Purpurea, strong 4-in. pots	1.00	8.00
Scabiosa Caucasica, strong 3-in. pots	1.00	8.00
alba, strong 3-in. pots	1.00	8.00
Solidago Rigida, strong 4-in. pots	1.25	10.00
strong 4-in. pots	75	6.00
Spiraea Aruncus, clumps	1.00	8.00
Chinensis, clumps	1.25	10.00
Filipendula, fl. pl., 4-in. pots	75	6.00
Gigantea, clumps	1.25	10.00
Palmata, clumps	1.00	8.00
Elegans, strong 4-in. pots	75	6.00



	Per doz.	100
Spiraea Ulmaria, strong 4-in. pots	\$ 75	\$ 6.00
fl. pl., strong 4-in. pots	75	6.00
Statice Eximia, strong 3-in. pots	75	6.00
Gmelini, strong 3-in. pots	75	6.00
Latifolia, strong 3-in. pots	75	6.00
Stokesia Cyanea, strong 3-in. pots	1.00	5.00
Sweet Williams, strong 4-in. pots	60	4.00
large clumps	75	6.00
Thalictrum Aquilegifolium Atropurpurea, 4-in. pots	1.00	8.00
Thalictrum Aquilegifolium Album, 4-in. pots	2.00	15.00
Thalictrum Aquilegifolium Roseum 4-in. pots	1.00	8.00
Trollius Aurantiacus, 4-in. pots	1.50	10.00
Europaeus, 4-in. pots	1.00	8.00
Japonicus Excelsior, 4-in. pots	1.50	10.00
Orange Globe, 4-in. pots	2.50	18.00
Tritoma Pfitzerii, strong per 1000	\$50.00	1.00 6.00
Coralina	50.00	1.00 6.00
Macowanii	75.00	1.00 8.00
Uvaria Grandiflora, strong per 1000	50.00	1.00 6.00
Valeriana Coccinea, 4-in. pots	1.00	8.00
alba, 4-in. pots	1.00	8.00
Officinalis, 4-in. pots	1.00	8.00

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SPECIAL OFFER ROOTED CUTTINGS

Strong, Healthy and Well-Rooted.

	Per 100	1000		Per 100	1000
N. Fisher	\$5.00		Welcott	\$2.00	\$18.00
Indianapolis	4.00		Lawson	1.25	12.00
Enchantress	2.50	\$24.00	Glacier	1.25	12.00
B. Market	1.75	15.00	Prosperity	1.50	14.00
Estelle	1.75	15.00			

Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Faunterley (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD, ILL.

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200,000

YOUNG ROSES

FOR THE TRADE.

Large Assortment: H. P., H. T., Tea, Etc.

All grown from wood taken from plants in the field, and never forced. Figure this out for yourself—whether better than forced stock. Stock hard and safely shipped anywhere. Send for our low prices and let us tell you what we have.

California Rose Co., LOS ANGELES, CAL.



cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

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Orchids!

Arrived in fine condition **CATTLEYA MENDELLII**, **DENDROBIUM WARDAIANUM**, **LALIA ANCEPS** and **ONCIDIUM TIGRINUM UNGUICULATUM**. We also offer a fine lot of well-grown bulbs of **CALANTHE VEITCHII**.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Successful Growers are Wanted

To know that they can dispose of all their surplus stock by Advertising in the AMERICAN FLORIST. TRY IT NOW.

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The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeland the leading scarlet cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

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SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$25.00 per 1000. Satisfaction guaranteed.

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Stanley & Co.

SOUTHGATE, ENGLAND.

The Live Orchid Importers are constantly receiving importations of the finest character. **They Solicit Enquiries.** Brazilian Species shipped in bulk ex Brazilian Port. **Cattleya Mossiae**, **C. labiata**, **C. Warnerii**, **C. Harrisonia** now arriving in perfect, leafy, dormant condition.

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	Per 100
FESTIVA MAXIMA	\$35.00
WHITE (generally called Queen Victoria)	9.00
FRAGRANS , the tall growing, heavy blooming variety	6.00

For 1000 rates and other varieties, write

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COLEUS

ROOTED CUTTINGS

Verschaafftslii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000.

Golden Bedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

AGERATUM, Princess Pauline and Stella, Gurney.

SALVIA, Splendens and Jean Revenal, rooted cuttings, 75c per 100; \$6.00 per 1000.

VINCA VARIEGATA, 3-in. pots, \$5.00 per 100.

FRANK A. PIERSON, CROMWELL, CONN.

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Asparagus Sprengeri. Bushy plants, well established, ready for a shift, from 2½-inch pots, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Feverfew. (Matriocaria) Little Gem, dwarf, bushy and always in bloom. The best of all. From 2½-inch pots, \$2.50 per 100.

Violet Princess of Wales. Thrifty, fall propagated stock from flats, \$2.50 per 100. Rooted outtings, \$1.25 per 100.

Vinca Major Variegata. Small field-grown clumps full of ends. Excellent for spring sales. From 3-in. pots, \$5.00 per 100.

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Pansies 200,000 Pansies

Fine large transplanted plants. prize strain of the famous large flowering Bugnots, Casslers, Odler and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000. Extra large plants coming in bud, \$1.00 per 100; \$8.00 per 1000.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000.

Stocks, dbl. white for Easter, \$1 per 100; \$8 per 1000.

Daisies, dbl. white, 75c per 100; \$5.00 per 1000.

Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000.

Salvia Splendens, \$1.00 per 100.

Lobelia, dwarf blue, \$1.00 per 100.

Ageratum, dwarf blue, 60c per 100.

Roses, Clotilde Souper, in bud or bloom, 4-inch, \$12.00 per 100.

HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y.

Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100

Asp. Plumosus Nanus, small plants to close 1.75

10 Vars. Cerenlums, 2½ pots and 2-in. pots 3.00

Alternantheras, red and yellow, March 1..... 2.00

10 Vars. Coleus, 2-in. pots, March 1..... 2.00

—CASH—

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Pansies The Jennings Strain.

Fine cold-frame plants in bud and bloom. Finest mixed colors. Ready April 1st. Price, \$1.50 per 100. Cash with order.

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GROWER OF THE FINEST PANSIES.

Giant Pansies

In distinct colors or mixed. Strong transplanted in bud, \$1.25 per 100; \$10.00 per 1000; 3,000 for \$25.00.

Peonies in fine assortment. Distinct colors, named sorts, \$1.50 dozen; \$10.00 per 100; \$90.00 per 1000.

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(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex.

Money by TELEGRAPH.

Order now, the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for \$3.00 per doz., and give tone to your establishment.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

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DAHLIA KAISERIN AUGUSTA VICTORIA:

The Best White Dahlia in Existence. My own importation. I control the entire stock of it. Flowers double, of the purest white, 4 to 5 inches in diameter. A wonderful bloomer. Stems, 12 to 18 inches long. Plants 3 to 3½ feet high. The finest plants from cuttings. Good strong stock from 2½-inch pots, \$3.00 per doz.; \$20.00 per 100. Delivery May 1st. Orders filled in rotation. Early booking suggested. Highly commended by the American Institute and the New York Florists' Club. Address

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Bedding Plants.

	Per 100—	Per 1000	2½-in. R. C.
Alternantheras, red and yellow, Aug. R. C. very strong.....		\$ 5.00	
Ageratum dwarf, blue and white			.50
Alyssum, Giant, double sweet....	2.00		.75
Carnations, R. C. from soil.			
Cobaea, from flats, transplanted			.50
Coleus, in varieties.....	2.00		.70
Feverfew, Little Gem.....	2.50		1.00
Forget-me-nots.....	2.00		1.00
Fuchsia 6 named varieties.....	2.50		1.00
Heliotrope.....			1.00
Marguerites, Etoile d'Or, yellow.			1.50
" Mme. Lailbert, white			1.50
Geraniums, 20 varieties.....	2.50		
Petunias, double fringed, white and in var.....	2.50		1.25
Pansies, in bud and bloom.....	15.00		
Salvia, 4 named varieties.....	2.00		1.00
Verbenas, in white, pink, blue, scarlet and mixed from flats..	4.00		
Vegetable Plants, price list mailed free.			
Add 10c per 100 for postage on rooted cuttings.			
Cash please.			

LUDVIG MOSBAEK, Onarga, Ill.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine a lot of single and made-up plants as ever grown, 4-in., 5-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each.

DRACAENA INDIVISA, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vlaud, S. A. Nutt, Castellane, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorita, Mme. Sallerai, 2-in. pots, \$2.50 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY, 2-in., \$2.50 per 100.

SCARLET SAGE, LOBELIA, VERBENA, VINCA VAR, HELIOTROPE, Double and Single PETUNIA, 2-in. pots, \$2.00 per 100.

CASH WITH ORDER.

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IN EASTER LILIES, HYDRANGEAS, GENISTAS, SPIRAEA GLADSTONE, RHODODENDRONS.

Palms, Ferns and

Decorative Stock.

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The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

Easter Plants

A SPECIALTY.

Notice—Lowest prices on good stock. All showing buds and can be forced into bloom at once or can be easily kept for Easter blooming.

Spiraea Compacta, Floribunda, Japonica, all are large plants, 6-inch pots, \$2.00 per doz. Gladstone, from \$3.00, \$4.00 to \$5.00 per doz. Azalea Indica, have 1,560 Mad. Van der Cruyssen, as round as an apple, covered with buds, 75c, \$1.00, \$1.25 to \$1.50 each. Other leading varieties, all shades, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. Lilium Harrisii and Japan Multiflorum, 6-inch pots, from 3 buds up, 10c per bud. White Daisies, (Marguerites), 6-inch pots, \$2.50 per doz. Hydrangea Olaksa, 6-inch pots, \$3.00 to \$4.00 per doz.; 7-inch pots, 75c each.

Cineraria Hyb., 6-inch pots, \$2.00 to \$3.00 per doz.; 4 to 5-inch pots, \$1.25 per doz. Begonia, Pres. Carnot, Flambeau and others, 6-inch pots, \$2.50 per doz. Roses, American Beauty, large, 6-inch pots, 40c; Brides, Kaiserin, Hermosa and other hybrids, 5½-inch pots, 25 to 30c each.

Hyacinths, first size, 4-inch pots, all shades, \$10.00 per 100. Dbl. Tulips, Tournesol, 3 bulbs in a 4-inch pot, \$1.50 per dozen pots. Daffodils, Von Sion, double nosed, 6-inch pots, 3 in a pot, \$2.00 per doz. All bulbs dormant in cold frame, will take two to three weeks to force into bloom.

Araucaria Excelsa, 7-inch, 5 to 6 tiers, 25 to 30 and more inches high, \$1.50 each. Ficus Elastica, 25 to 30 inches high, 6 to 7-inch pots, \$6.00 to \$7.00 per doz. Primula Obconica, 5½-inch pots, full of flowers, \$2.00 per doz.

I am the Moon Vine grower of the land. 10,000 now ready in 2½-inch pots of A. W. Smith's Ipomea Hortiflora, purest large white Moon Vine in the world. Price, \$5.00 per 100. Mr. Smith has a world wide reputation for them.

Godfrey Aschmann,

Wholesale Grower and Importer of Pot Plants.

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1012 Ontario St., PHILADELPHIA, PA.

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Vinca Variegata.

HARDY PINKS, large field-grown, 5 sorts, 3½c.

PARIS DAISY, Giant 2-inch, 2c.

DOUBLE DAISIES, Snowball, Longfellow, \$2.50 per 1000.

ABUTILONS, 4 varieties, 2½-inch, 3c.

SALVIAS, 2-in., Bonfire, Splendens, Silverspot, \$17.50 per 1000.

GERMAN IRIS, divided roots, \$1.00 per 100.

VINCA VARIEGATA, 2-in. 2c.

COLEUS, 15 kinds, 2-in. 2c.

Rooted Cuttings, per 100, prepaid: Heliotrope, 75c. Ageratum, white, Gurney, Pauline, 50c.

Salvia, Splendens, Bonfire, Silverspot, 90c; \$8.00 per 1000. Fuchsia, 5 best varieties, 90c.

Hardy Pinks, 7 varieties, some everblooming, 75c; \$5.00 per 1000. Dbl. Petunias, 10 finest, \$1.00.

Alternantheras, red and yellow, 50c; \$3.50 per 1000. 5000 for \$15.00. Swainsona Alba, 75c.

Tradescantia, 2 kinds, 75c. Everblooming Forget-me-nots, \$1.00. Stavia, Serrata and Variegata, 75c. Giant Paris Daisy, \$1.00. Coleus, 60c. Mums, Weeks, \$1.00. Vinca Variegata, 90c.

Rax Begonia, mixed, \$1.10. Feverfew, Gem, \$1.00. Impatiens Sultana, \$1.00.

—CASH—

BYER BROS., Chambersburg, Pa.

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Cyclamen

Once transplanted, ready March 1. Seed taken from only the choicest stock—nothing better. \$2.00 per 100; \$18.00 per 1000.

C. WINTERICH, Defiance, O.

THE NEW Maiden Hair FERN

ADIANTUM CROWEANUM



W. F. KASTING
Sole Distributor.
BUFFALO, N. Y.

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AT HALF PRICE

Read The Reasons Given

Natural Business Laws justify higher prices on Novelties than stock in normal demand and supply can command.

An event unusual is that of a meritorious novelty—such as appeals sensibly to all growers of judgment—offered below half its normal price.

Nevertheless, as the full time and attention of the introducer are now fully demanded with other lines of his business, in planning to directly close out the limited balance of the originally grown stock of

ADIANTUM CROWEANUM

it is now on sale at less than half price.

As a standard novelty the sterling values of this fern develop more and more daily, hence this offering is no reflection on its true merits.

The following prices tell their own story:

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Strong Rooted Cuttings and Plants.

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LATE. Yellow.—W. H. Lincoln, H. W. Rieman. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000. Plants from 2 1/4-in. pots, \$2.50 per 100; \$20 per 1000.

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Rooted Cuttings of VIOLETS of all kinds.

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Merstham Yellow, White Coombes, Emily Milham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 500 each; \$5.00 per doz.

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Chrysanthemums Rooted Cuttings NOW READY.

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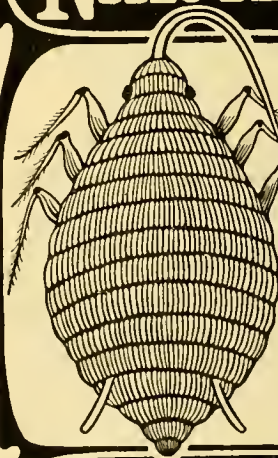
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DON'T ACCEPT INFERIOR IMITATIONS
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Express prepaid on all R. C. Cash with orders. Write

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TOBACCO-PAPER INSECTICIDE
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SHEETS ARE
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NO FOLDING IS
REQUIRED JUST
HANG EACH SHEET
FROM THE HOLE
PUNCHED IN ONE
END, THEN LIGHT
LOWER END, BLOW
OUT FLAME AND LET
THE SHEET BURN

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FROM PLANT STICK)
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24 sheets, 75c. 144 sheets, \$3.50;
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PACKED IN FRICTION-TOP TINS
Preventing Loss by Evaporation.

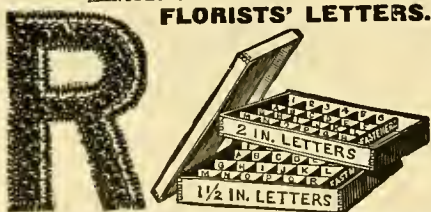
Mfg. by Kentucky Tobacco Product Co.,
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MANUFACTURERS OF

FLORISTS' LETTERS.

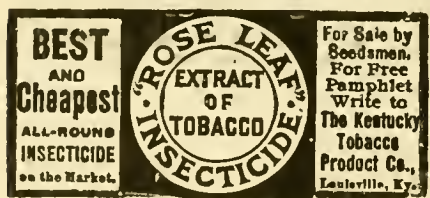


This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

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The best, strongest and neatest folding out
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Size No.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
	3x 4x20	3x 4 1/4x16	3x 6x18	4x 8x18	4x 8x24	4x 8x22	4x 8x28	6x16x20	6x 7x21	5x10x35	7x20x20	3 1/4x5x30
		\$2.00	1.90	2.00	2.50	2.75	3.00	3.75	5.50	5.50	6.50	9.50
		\$19.00	17.50	23.00	26.00	28.50	36.00	54.00	28.50	67.50	67.50	28.50

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IN LARGE QUANTITIES. 5 TO 6 FEET.

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Price list and samples on application.
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Standard Pots which for strength and porosity combined are the best on the market

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FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
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Painted Fan Palm Leaves, from \$12.50 per 1000. Get our catalogue. Palm Fiber, Birch Bark, Cork Bark Moss, Artificial Flowers, Vines, Leaves.
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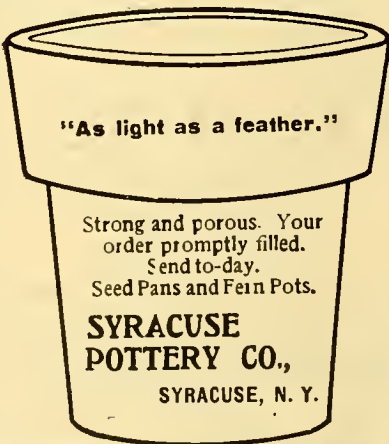
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Standard Flower Pots

The WHILLDIN POTTERY COMPANY,
PHILADELPHIA PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.



RED POTS

SAMPLE POT AND PRICE LIST ON APPLICATION.
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Kramer's Pot Hanger

The neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.
FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND SUPPLY DEALERS.
Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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STANDARD FLOWER POTS!

Packed in small crates, easy to handle.
Price per crate Price per crate
1500 2-in., in crate, \$4.88 120 7-in., in crate, \$4.20
1500 2 1/2 " 5.25 60 8 " 3.00
1500 3 " 6.00 48 9-in., in crate, \$3.60
1000 3 " 5.00 48 10 " 4.80
800 3 1/2 " 5.80 24 11 " 3.60
500 4 " 4.50 24 12 " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
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Before buying write for prices.
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Detroit.

THE MARKET.

Business during the past two weeks has been very satisfactory to the retail dealers, being fully equal to and in some cases exceeding in volume that of the same period a year ago. The usual proportions of roses, carnations and violets as well as bulbous flowers being disposed of. The local carnation growers, however, complain bitterly of the unprecedented glut in those flowers, which has existed almost without interruption since the holidays. In common with many other sections of the country, too many Lawsons are grown while the white varieties have been almost continuously short of the demand. The lighter shades of pink, too, were much favored and seldom was there a surplus of them. Even Enchantress sold well and was in every way more popular than last year. So serious has been the condition of the local carnation market that the consideration of the matter absorbed almost the entire time of the club at the last meeting, at which many schemes were proposed to remedy the present condition, which by many growers is regarded as desperate. With the purpose of affording some relief to the situation, one retailer made a special sale of carnations on Saturday, March 11. It was well advertised and 15,000 flowers were sold at 25 cents per dozen. The stock was all fresh cut and much of it elegant. It netted the growers 85 cents and \$1 per hundred. The subject will be again discussed at the next club meeting. The violet growers too are now discouraged as their plants are all heavily laden with fine blooms with only a limited demand at low prices. Roses, however, continue scarce though present indications point to a much increased supply soon.

NEWS NOTES.

Gus. Knoch, Woodmere, has brought suit against the Detroit Gas Light and Coke Company, to recover damages amounting to \$5,000. The loss sustained by Mr. Knoch was by the injury to his water lilies growing in a county drain passing through his property. He alleges that the gas company allowed poisonous substances from their plant to enter the drain last summer which resulted in nearly the total loss of his water lilies.

A new commission house will open here March 20 at 6 West Adams avenue. It will be known as the Detroit Cut Flower Supply House. The proprietors are Charles H. Pease, New York and H. V. Pearce, Pontiac, Mich.

Charles Lohrman, of Lohrman Seed Company, was married Tuesday, March 7, to Miss Alice M. Petkey.

Visitors: William Dykes, New York; Harry Byers, Dayton, O.; S. S. Skidelsky, Philadelphia; H. Van Koolbergen, Holland.

J. F. S.

Good Returns.

AMERICAN FLORIST CO.:—Being sold out of Boston and Piersoni ferns and having nothing more to offer, please take our advertisement out of your valuable paper and send in bill. We have had good returns from our advertising in your paper and will give you more advertising in the future.

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JOBBER AND MANUFACTURERS OF **WINDOW GLASS.**

Greenhouse Glass A SPECIALTY.

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

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GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF
YOUR GLASS.

DES PLAINES, ILL.
SEND FOR CATALOGUE.

A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

GLASS.

**GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.**

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We furnish everything for building. Send
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French and American "WHITE ROSE"
Brand.

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NEW YORK.

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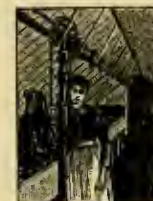
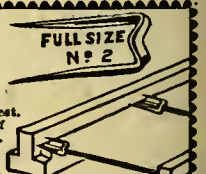
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Firmly**
See the Point at
PEERLESS

FULL SIZE
No. 2

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

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714 Chestnut St., Phila., Pa.



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CHALLENGE
VENTILATING
APPARATUS**

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QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

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Exchange for Cash

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References: Dunn, Bradstreet, and Broadway Bank of Brooklyn.
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CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A.T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

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FOR SALE CHEAP.

In quantities not less than 300 Boxes. Less quantity slightly higher prices.

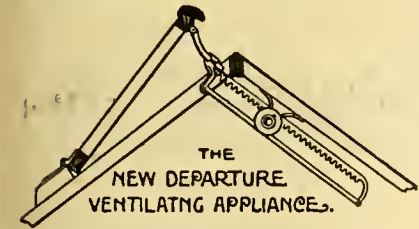
500 Boxes 16x18 Double Thick, B.....	\$2.60
400 " 16x20 " A.....	3.00
500 " 16x20 " B.....	2.80
500 " 16x24 " A.....	3.00

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CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

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Sun Cured CYPRESS

Greenhouse Material

—ALSO—

HOT-BED SASH.

Tennessee Red Cedar Posts.
Pecky Cypress bench lumber.

FOLEY Ventilating Apparatus.
Galvanized vent sash hinges,
screw eyes, screwhooks, U
bolts, Galvanized turn-
buckles and wire.

FITTINGS for Purlin and
Ridge Supports,
Free Illustrated Catalogue.

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—FOR—

Greenhouse Benches
Ship Lap, Drop Siding, Sheathing, Flooring,
White Cedar Posts, Etc.

We are in a Special Position to Furnish
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Everything in **PINE** and **HEMLOCK BUILDING LUMBER**

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ADAM SCHILLO LUMBER CO.,
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Tel. North 1626 and 1627.

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you want to get, you want
to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents
a genuine want. It pays
to answer them.

Material From The World's Fair.

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Here is a chance for Florists to purchase Thousands of Dollars worth of Valuable Material at extremely low prices. Such an opportunity only comes once. You must take advantage of it.

Three Complete Greenhouses.
Complete with all appurtenances, including the Flowers, Plants and Shrubs. Each house is 22x300 feet. They have Patent Ventilators, extra thick sash and regular style hothouse sash, size 3x6 feet. We will sell these Greenhouses either complete or in parts. They include complete heating systems. Over 50,000 Plants are in these Houses. A complete list of them with our extremely low prices mailed on application.

HOT-HOUSE SASH.
5,000 Standard Hot-bed Sash, 3x6 feet, heavy rail, in fine condition.

PIPE.
10,000,000 feet of pipe for every purpose. Standard black wrought iron, sizes 3/8 to 12-inch. Extra heavy black wrought iron, sizes 2 to 36-inch.

BOILER TUBES.
10,000 feet second-hand Boiler Tubes, in good condition, square ends, 3, 3 1/2 and 4-inch. Will make low prices on carload order.

100,000,000 FEET OF LUMBER.
Send us your Lumber Bill for our estimate. We can furnish you anything in the line. Studding, Joists and Timbers. Mixed 2-inch Planking, dressed and matched flooring. Timbers in sizes 4x4, 4x6, 6x6, 6x8, 8x8, 10x10, 10x12, 12x12, 14x14 and in lengths from 8 to 80 feet. Interior finishing material.

SASH AND DOORS.
Thousands of Sash and Doors for quick delivery. Can furnish all sizes. Write for our Sash and Door List.

RUBBER HOSE.
60,000 feet of Rubber Hose in sizes from 3/4 to 2 1/2-inch. We are making very low prices on large quantities.

ROOFING GLASS.
1,000,000 feet of 1/4 and 3/8-inch thick roofing glass, good as new. 1,000,000 feet of heavy wire netting used under this glass, No. 14 gauge.

LAWN ROLLERS.
25 Rollers, two sections, each 10x20 inches, counterbalanced handles.

ROAD SCRAPERS.
12—No. 2 American Wheel Scrapers.
25—No. 2 Western Wheel Scrapers.
35—No. 2 1/2 Western Wheel Scrapers.
12—No. 1 Western Drag Scrapers.
12—No. 2 Western Drag Scrapers.
25—Western Railroad Plows.

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4,000 Steel Shovels. 500 Wheelbarrows. 500 Steel Picks. 600 Mattocks, Lanterns, Axes, etc. 1,000-ton Bolts, Rods, Lag Screws, Turnbuckles and Washers. 150 Track and Lever Jacks.

Thousands of other items of every kind and description. Furniture, Office Fixtures, Electrical Apparatus, etc., etc. Ask for our World's Fair Catalogue No. 47.

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West 35th and Iron Sts., CHICAGO.
or WORLD'S FAIR GROUNDS, ST. LOUIS, MO

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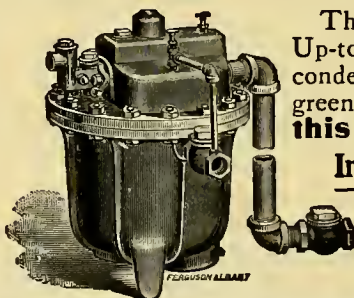
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Carnation—200,000 carnations, Queen Louise, Flora Hill, G. Wolcott, Chicot, Mrs. T. Lawson, Enchantress, M. Joost, Success, Pres. McKinley, G. H. Crane, America, Harlowarden, etc.

Loomis Floral Co., Loomis, Cal.

Carnation—Carnation cuttings, well rooted. The following at \$5 per 100, \$40 per 1,000: White Lawson, Lady Bountiful, Mrs. M. A. Patten, Nelson Fisher. The following at \$3 per 100, \$25 per 1,000: Enchantress, Boston Market, The Queen.

Imperial Greenhouses, Utica, N. Y.

Carnation—Strong, healthy, well rooted cuttings, Prosperity, Joost, Lawson and Wolcott, \$2 per 100; Moonlight, \$3 per 100.

John Brod, Niles Center, Ill.

Carnation—Victory to be disseminated, 1906, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, N. Fisher and M. Patten, \$6 per 100; \$60 per 1,000; Enchantress, \$3.50 per 100; \$30 per 1,000; Prosperity, \$2.50 per 100, \$20 per 1,000; The Belle, Lady Bountiful, \$6 per 100, \$60 per 1,000; H. Fenn and Goethe, \$2 per 100, \$20 per 1,000; Lawson, \$2 per 100, \$15 per 1,000; G. Lord, Maceo, Cervera, \$1.50 per 100, \$15 per 1,000; Manley, \$3 per 100, \$25 per 1,000. Five per cent discount cash with order.

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Carnations—Sturdy little pot plants from best cuttings, per 100: B. Market, \$2.50; Gov. Wolcott, \$3; Indianapolis, \$4; Mrs. Nelson, \$2.50; Mrs. Lawson, \$2.50; The Queen, \$3; G. H. Crane, Glacier, Lorna, Floriana, M. Joost, Morning Glory, Pres. McKinley, \$2.50; White Lawson, \$7, and Cardinal, \$12.

The Storrs & Harrison Co., Painesville, O.

Carnation—Carnation Candace, \$2 per doz.; \$12 per 100; \$100 per 1,000. Dissemination 1906.

Indianapolis Flower & Plant Co., and John Hartje, Indianapolis, Ind.

Chrysanthemum — Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1905 describes them all.

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Chrysanthemum—Three new chrysanthemums, Majestic, Adelia and Madonna. Rooted cuttings, \$3 per doz., \$15 per 100; 2-in. pots \$20 per 100.

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Chrysanthemum — Chrysanthemum novelties: Mertham Yellow, White Coombes, Emily Milleham, Valerie Greenham, Mrs. H. A. Allen, and all other novelties, 60c each; \$5 per doz.; Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per doz. Send for list.

Charles H. Totty, Madison, N. J.

Chrysanthemum — Rooted cuttings, Wm. Duckham, Ben Wells, F. A. Cobbold, Leila Filkins, \$3 per 100; Dr. Enguehard, \$4; Mrs. Thirkell, \$2. No order filled less than \$1.

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Chrysanthemum—Strong rooted cuttings, early chrysanthemums: Opah, Mme. Bergman, Willowbrook and October Sunshine.

Eli Cross, Grand Rapids, Mich.

Chrysanthemum—Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references.

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Chrysanthemum—Geo. A. Kuhl, Pekin, Ill.

Chrysanthemum—Strong, well rooted cuttings, Wm. Duckham, Dr. Enguehard, \$2.50 per 100; Ben Wells, F. S. Vallis, Mrs. E. Thirkell, Mildred Ware, Mrs. T. W. Ware, \$1.50 per 100. For \$1 we will mail you rooted cuttings of each of the above. They will reach you without further expense. From these early cuttings stock can be increased six-fold by planting time. Send for complete price list.

The Wm. Scott Co., Corfu, N. Y.

Chrysanthemum — Rooted cuttings ready now. All best commercial varieties, also some of tried newer sorts. First-class stock.

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Chrysanthemum—Strong, well rooted cuttings, Wm. Duckham, Dr. Enguehard, \$2.50 per 100; Ben Wells, F. S. Vallis, Mrs. E. Thirkell, Mildred Ware, Mrs. T. W. Pickett, \$1.50 per 100. For \$1 we will mail 6 rooted cuttings of each of the above. They will reach you without further expense. From these early cuttings stock can be increased six-fold by planting time. Send for complete price list.

The Wm. Scott Co., Corfu, N. Y.

Chrysanthemum—Early Chrysanthemums, \$2.50 per 100; Ivory, Lady Fitzwygram, Mme. Bergman, Monrovia, Omega, Opah, Polly Rose, Glory of Pacific, Wm. Simpson.

The Storrs & Harrison Co., Painesville, O.

Cineraria—Benary's dwarf, budded, right for Easter, cut of 3-in., ready for 5-in., \$4 per 100.

Shellroad Greenhouses, Grange, Baltimore, Md.

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Cobaea Scandens—From flats, transplanted, 50c.

Ludvig Mosbaek, Onarga, Ill.

Coleus—Best bedders, 60c.

Byer Floral Co., Shippensburg, Pa.

Coleus—Ten varieties Coleus, 2-in. pots, March 1, \$2.

Jos. H. Cunningham, Delaware, O.

Coleus—Forty varieties, 70c per 100; \$6 per 1,000.

S. D. Brant, Clay Center, Kan.

Cyclamen—Cyclamen giganteum, best strains, all colors, transplanted September, own stock, ready for 2½ and 3-in., \$2 per 100. \$18 per 1,000, express paid.

A. E. Wohler, Bala, Pa.

Cyclamen—Cyclamen splendens giganteum hybrids in bud and bloom, from 5-in. pots, \$2.50 per doz., \$20 per 100.

Paul Mader, El Stroudsburg, Pa.

Cyclamen—Once transplanted, ready March 1. \$2 per 100, \$18 per 1,000.

C. Winterich, Defiance, O.

Dahlia—Dahlia Sylvia, divided field roots, \$2 per doz., \$15 per 100.

Vaughan's Seed Store, Chicago and New York.

Dahlia—Dahlia, Mrs. Winters, \$10 per 100.

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Dahlias—We wish to announce to the trade that we are successors to W. P. Peacock, dahlia specialist. Send for our beautifully illustrated descriptive catalogue for 1905, now ready.

L. K. Peacock, Inc., Atco, N. J.

Dahlia—Kaiserin Augusta Victoria, dbl., 4 to 6-in. diameter, stems 12 to 18-in. long, plants 3 to 3½ feet high, stock from 2½-in. pots \$3 per doz; \$20 per 100. Delivery May 1.

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If you do not find what you need in our Ready Reference Department, write us about it.

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H. H. Kern, Bonner Springs, Kan.

Daisies—\$1 per 100.

S. D. Brant, Clay Center, Kan.

Daisies—Parla Daisy, plant, 2-in., 2½ c. Byer Bros., Chambersburg, Pa.

Deutzia—Easter stock. Deutzias for forcing, strong 2-year-old, field grown plants, for 6-in. pots. Gracilis rosea, \$1 per doz., \$3 per 100. Gracilis Lemoinei, \$1 per doz., \$3 per 100. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Easter Lilies—Hinode Florist Co., Whitestone, L. I., N. Y.

Dracena—Dracena indivisa, per 100, 2½-in., \$3; 3-in., \$4. The Storrs & Harrison Co., Painesville, O.

Easter Stock—Easter lilies, hydrangeas, spiraea Gladstone, rhododendrons, genistas.

R. Dreyer, Woodside, L. I., N. Y.

Euphorbia—Euphorbia Crown of Thorns, 2½-in., \$5 per 100.

Iowa Seed Co., Des Moines, Ia.

Ferns—Boston Fern, 2½-in., strong, well grown, \$3 per 100.

Iowa Seed Co., Des Moines, Ia.

Fern—Nephrolepis Scottii, 6-in., pot grown, ready for 8-in., \$15 per doz.; 7-in., pot grown, \$24 per doz.; 8-in., pot grown, \$36 per doz.

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Fern—Adiantum Croweanum, the new maidenhair fern, height 3½ ft. Prices on application.

Wm. F. Kastling, Wholesale Florist, 383-387 Ellicott St., Buffalo, N. Y.

Ferns, Etc.—Boston, Pieroni and Scottii ferns.

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Ferns, Etc.—Boston ferns, for 5, 6, 7 and 8-in. pots at \$25, \$50, \$75 and \$100 per 100.

L. H. Foster, 45 King St., Dorchester, Mass.

Ferns—Fancy ferns, \$1.50 per 1,000; dagger ferns \$1.25 per 1,000; galax 75c per 1,000; \$6.50 per case 10,000; laurel festooning 4c, 5c, 6c per yd.; wild smilax \$5.50 per 50-lb. case; laurel and Princess pine wreaths.

Crowl Fern Co., Millington, Mass.

Fern—Boston fern, 2½-in., \$3; assorted ferns for dishes, \$3.

The Storrs & Harrison Co., Painesville, O.

Ferns—Ferns in 4, 5 and 6-in. pots, strong, healthy, well rooted from bench at 15c, 20c and 30c respectively.

John Brod, Niles Center, Ill.

Feverfew—Plants, 2½-in. pots \$2.50 per 100; Rooted cuttings, \$1 per 100.

Ludvig Mosbaek, Onarga, Ill.

Feverfew—Rooted cuttings and plants.

Ludvig Mosbaek, Onarga, Ill.

Feverfew—(Matricaria) Little Gem, 2½-in. pots, \$2.50 per 100.

Nathan Smith & Son, Adrian, Mich.

Feverfew—Little Gem, 2½-in., 60c per doz., \$4 per 100.

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Fuchsias—Fuchsias, rooted cuttings, 5 best varieties, 90c per 100.

Byer Bros., Chambersburg, Pa.

Fuchsias—Fuchsias, rooted cuttings \$1 per 100; 2½-in. pots, \$2.50 per 1,000.

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Gardenias—Gardenia plants and jesamine, our leading specialty. Natural growing conditions here ideal. 1 yr., 18-24-in., \$1.50 per doz.; \$10 per 100.

C. W. Benson, Alvin, Tex.

Geraniums—10 varieties geraniums, 2½ pots and 2-in. pots, \$3.

Joa. H. Cunningham, Delaware, O.

Geraniums—Geranium Telegraph, bedding out, conservatory or window; strong plants, 2½-in., \$15 per 100.

Thomas Devoy & Son, Poughkeepsie, N. Y.

Geraniums—Jean Vland, S. A. Nutt, Castellane, John Doyle and Perkins. Single and double Gen. Grant, La Favorite, 2-inch pots, \$2 per 100.

Geo. M. Emmans, Newton, N. J.

Geraniums—25,000 geraniums, by express, \$2.50 per 100, 2½-in. pots; by mail, \$1.50 per 100, rooted cuttings.

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Ficus—Ficus elastica, 6 and 7-inch, \$6 to \$9 per dozen.

Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

Forget-Me-Not—Ever blooming forget-me-nots, rooted cuttings, \$1.00 per 100.

Byer Bros., Chambersburg, Pa.

Fuchsias—Fuchsias, rooted cuttings and plants.

Ludvig Mosbaek, Onarga, Ill.

Geranium—S. A. Nutt geraniums, healthy, 2½-in., \$3.50 per 100.

John Brod, Niles Center, Ill.

Geranium—Geranium William Languth, 2½-in., \$4 per 100; Lady Plymouth, sweet-scented, variegated, 2½-in., \$5 per 100.

Iowa Seed Co., Des Moines, Ia.

Gladolus—Gladolus bulbs and bulbets, all sizes.

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Heliotrope—Heliotrope, 2-in., \$2.50 per 100.

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Byer Bros., Chambersburg, Pa.

Heliotrope—Rooted cuttings, 12 varieties, \$1 per 100; \$8 per 1,000.

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H. H. Kern, Bonner Springs, Kan.

Hibiscus—Hibiscus Peachblow, 2½-in., \$3 per 100.

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Hollyhocks—Double field-grown, \$3 per 100.

W. W. Wilmore, Box 382, Denver, Col.

Hollyhocks—Dreer superb double hollyhocks, separate colors, \$1.25 per doz., \$10 per 100.

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Hydrangea—Hydrangea otaksa.

Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Hydrangea—Hydrangea paniculata grandiflora, 2½ to 3 feet, \$1.50 per 100, \$11 per 1,000; 12 to 18-in., \$1 per 100, \$8 per 1,000. Otaksa, Red branched, Thos. Hogg, 2-yr. pot grown, \$5 per 100, \$35 per 1,000.

Vaughan's Seed Store, Chicago and New York.

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H. H. Kern, Bonner Springs, Kan.

Ivy—German ivy, 2-in., \$2.50 per 100.

Geo. M. Emmans, Newton, N. J.

Japanese Novelties—Tiny plants in 2 and 3-in. decorated Japanese pots, \$15, \$20 and \$25 per 100. Rhapis, 5 to 15 shoots 50c each.

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Orchid—Orchids, cacti, etc. Send 10c in stamps for illustrated catalogue. Exporters and growers.

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Orchids—Collectors and exporters of orchids.

Geo. & M. J. Hochderffer, Flagstaff, Ariz.

Orchids—Collectors and exporters of orchids.

Geo. & M. J. Hochderffer, Flagstaff, Ariz.

Orchids—Cattleya Mendellii, also Laelia anceps and Oncidium tigrinum, etc. Write for special list No. 14. Orchid growers and importers.

Lager & Hurrell, Summit, N. J.

Orchids—Orchids, per 100: Cypridium insignis, \$8; Cypridium callosum, \$20; Cypridium Laurenceanum, \$25; Dendrobium formosum, giganteum, \$9 per doz., \$70 per 100; Vanda Caeulea, 10 to 12 lbs., \$15 per doz.; 12 to 15 lbs., \$22 per doz.

Julius Roehrs Co., Exotic Nurseries, Rutherford, N. J.

Paeonias—Paeonias in fine assortment, distinct colors, named sorts, \$1.50 per doz.; \$10 per 100; \$90 per 1,000.

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Geo. Witthold Co., 1657 Buckingham Place, Chicago, Ill.

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Palms, Etc.—Kentia Belmoreana and Kentia Forsteriana.

Joseph Heacock, Wyncote, Pa.

Palms, Etc.—Latania Bor., 2-in. pot, seed leaves, \$3 per 100; Latania Bor., 3-in. pot, 15-18-in., 2-3 chr. lvs., \$12 per 100; Latania Bor., 5-in. pot, 18-20-in., 3-4 chr. lvs., \$15 per 100; Latania Bor., 5-in. pot, 20-24-in., 4 chr. lvs., \$20 per 100.

Kentia Bel., 2½-in. pot, 6-8-in., 2 leaves, \$10 per 100; Kentia Bel., 3-in. pot, 8-10-in., 3-4 leaves, \$12.50 per 100; Kentia Bel., 4-in. pot, 12-15-in., 4-5 leaves, \$16 per 100.

Sherman Nursery Co., Charles City, Ia.

Palms, Etc.—Palms, ferns and decorative plants.

R. Dreyer, Woodside, L. I., N. Y.

Palms—Small palms from 2½-in. pots, per 100: Kentia Belmoreana, \$6; Areca Lutescens, \$4; Latania Borbonica, \$3; Cocos Weddelliana, \$5.

The Storrs & Harrison Co., Painesville, O.

Pandanus Veitchii—To make room, our entire stock, 2½ to 3-in. and 4-in. pots at the uniform price of \$20 per 100, in assortment. Express paid.

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H. H. Kern, Bonner Springs, Kan.

Pansies—The Jennings strain, cold-frame plants, in bud and bloom, mixed colors ready April 1. \$1.50 per 100. Cash with order.

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Pansies—Rooted cuttings \$15 per 1,000.

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Pansies—200,000 fine large plants of the famous large flowering Bugnot's, Cassier's, Odier and Trimardeau, 50c per 100; \$3 per 1,000. Extra large plants coming in bud, \$1 per 100.

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Pansies—Pansy plants, large flowering, 60c per 100, \$2.50 per 1,000. Per 100 Asp. plumosus nanus, small plants, to close, \$1.75.

Jas. H. Cunningham, Delaware, O.

Pansies—Rooted cuttings.

Ludvig Mosbaek, Onarga, Ill.

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Loomis Carnation Co., Lock Box 115, Loomis, Cal.

Pansies—Giant pansies, distinct colors or mixed. Strong, transplanted, \$1.25 per 100; \$10 per 1,000; 3,000 for \$25.

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Peonies—Choice white; strong divided plants, 3 to 5 eyes, in quantity. Festiva maxima 35c; Q. Victoria 12c; Golden Harvest 20c. Order at once, spring delivery.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies—Peonies and hardy plants.

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Petunias—Dbl. Petunias, rooted cuttings, 10 finest, \$1.00 per 100.

Byer Bros., Chambersburg, Pa.

Petunias—Double fringed petunias. Six distinct novelties, labeled, \$1.25 per 100; \$10 per 1,000.

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Petunia—Petunias, double, assorted, 2½-in., \$3 per 100.

Iowa Seed Co., Des Moines, Ia.

Petunias—10 best sorts, \$1.00.

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If you do not find what you need in our Ready Reference Department, write us about it.

Petunias—20 varieties, \$1.25 per 100; \$10 per 1,000.

S. D. Brant, Clay Center, Kan.

Pinks—Hardy pinks, six best variety, 4-in. pots, 75c per doz., \$6 per 100.

Henry A. Dreer, Philadelphia, Pa.

Primulas—Primula chinensis and P. obconica grandiflora in bud and bloom, from 4-in. pots, \$7 per 100.

Paul Mader, E. Stroudsburg, Pa.

Roses—American Beauty, La France and Bride.

Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Roses—Roses of all kinds.

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Roses—Roses, rooted cuttings: Chateaufort, \$2.50 per 100, \$20 per 1,000; Uncle John, \$2.50 per 100, \$20 per 1,000; Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000; Perle, \$1.50 per 100, \$12.50 per 1,000. **Roses**, 2½-in. pot plants: Richmond, \$30 per 100, \$250 per 1,000; Rosalind Orr English, \$25 per 100, \$200 per 1,000; Chateaufort, \$4 per 100, \$30 per 1,000; Sunrise, \$4 per 100, \$30 per 1,000; Perle von Godesberg, \$5 per 100, \$40 per 1,000; Liberty, \$5 per 100, \$45 per 1,000; La Detroit, \$5 per 100, \$50 per 1,000; Uncle John, \$4 per 100, \$35 per 1,000; Kaiserin, \$4 per 100, \$30 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; Perle, \$3 per 100, \$25 per 1,000. American Beauty bench plants, \$6 per 100; \$50 per 1,000.

Peter Reinberg, 51 Wabash Ave., Chicago.

Roses—Rose plants, write for prices on hybrid perpetuals, hybrid teas, teas, climbers, ramblers, etc.

C. M. Nuffer, Springfield, O.

Rose—Baby Rambler, ever blooming, dwarf crimson, 4-in. pot plants, April 1 delivery, per doz, \$5; per 100, \$40. 3-in. pot plants (grafted) ready now, \$4.50 per doz; \$35 per 100. 2½-in. pot plants, April delivery, per doz., \$3; per 100, \$20. Vaughan's Seed Store, Chicago and New York.

Roses—Rooted cuttings, Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Golden Gate, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000.

George Reinberg, 51 Wabash Ave., Chicago.

Roses—60,000 grafted roses for forcing. Delivery April, May, June. Liberty, rose pots, \$2 per 100; 3½-in. pots, \$18 per 100; Brides, Bridesmaids, Golden Gate, Kaiserin rose pots, \$10 per 100; 3½-in. pots, \$15 per 100.

J. L. Dillon, Bloomsburg, Pa.

Roses—Roses, 2½-in. pots, \$2.50 per 100; Universal Favorite, Evergreen Gem, Bessie Brown, Manda's Triumph, So. Orange Perfection, White Memorial, Yellow Rambler, Gardenia, Helen Gould, Mme. de Watteville, Francisca Krueger, Mary Washington, Champion of the World, Emile Gonin, Frances E. Willard, Bridesmaid, Bride, Halloween. Strong semi-dormant plants, splendid for spring sales or for planting.

Iowa Seed Co., Des Moines, Ia.

Roses—Spring sales, Crimson Rambler, 2-year-old, \$2 per doz., \$15 per 100; 3-year-old, \$2.50 per doz., \$18 per 100; Dorothy Perkins, 2-year-old, \$2.50 per doz., \$20 per 100; Gruss an Teplitz, 2-year-old, \$2 per doz., \$15 per 100; Maman Cochet, 2-year-old, \$2 per doz., \$16 per 100; Hermosa, 2-year-old, \$2.25 per doz., \$15 per 100; Clothilde Soupert, \$1.50 per doz., \$10 per 100; A. Beauty, \$2 per doz., \$15 per 100; K. Aug. Victoria, \$2.50 per doz., \$20 per 100; P. Neyron, \$2.50 per doz., \$20 per 100; La France, \$2 per doz., \$15 per 100, and many other varieties.

Vaughan's Seed Store, Chicago and New York.

Roses—Roses, 2½-in. pots, strong plants. Maid, Bride, White and Pink Cochet, \$2.50 per 100, \$20 per 1,000. American Beauties, 2½-in. pots, \$5 per 100; \$40 per 1,000; 3-in. pot plants, \$6 per 100, \$50 per 1,000.

C. W. Reimers, Station A, Louisville, Ky.

Roses—Roses, Ramblers and hybrids. W. & T. Smith Co., Geneva, N. Y.

Roses—Hardy roses.

Ellwanger & Barry, Rochester, N. Y.

Roses—Easter stock. Baby Rambler rose, Mme. Norbert Levavasseur, 1-year-old, field grown, for 4-in. pots, \$5 per doz., \$35 per 100.

Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses—Now is the time to place your orders and insure getting good stock for planting.

John N. May, Summit, N. J.

Roses—American B., Liberty, Bridesmaid, Bride, Ivory, Golden Gate, shipped promptly from greenhouses Michael Winandy. Write for prices, etc.

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Roses—200,000 young roses for the trade. H. P. H. F. Tea, etc. Field grown, stock hard and safely shipped.

California Rose Co., Los Angeles, Cal.

Roses—The fine new pink rose, La Detroit, 2½-in. pots, \$8 per 100; \$75 per 1,000. General MacArthur, 2½-in. pots \$8 per 100; \$75 per 1,000.

John Breitmeyer's Sons, Detroit, Mich.

Rose—Rose Clothilde Soupert in bud or bloom, 4-in., \$12 per 100.

Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

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The Brown Bag Filling Machine Co., Fitchburg, Mass.

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Engines—Two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. Catalogue A will tell you how it does it. The Standard Pump & Engine Co., Cleveland, Ohio.

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Glass—For sale cheap, in quantities not less than 300 boxes. 500 boxes 16x18, dbl. thick B. \$2.60; 400 boxes 16x20, dbl. thick A. \$3; 500 boxes 16x20, dbl. thick B. \$2.80; 500 boxes 16x24, dbl. thick A. \$3. Above prices net cash, f. o. b. Chicago, March or April shipment. Special prices other sizes, ship east or west. James H. Rice Co., 80-82 Wabash Ave., Chicago.

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Made by Hammond's Slug Shot Works, Fishkill-on-Hudson, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

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Steam Traps—Steam traps save coal. Return steam trap, used by up-to-date greenhouse men, returns condensed water from the heating coils in greenhouse. Have been in use over 30 years. Insures an even temperature.

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Ventilators—We furnish high grade ventilating apparatus, raising the sashes in greenhouses and other buildings.

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Ventilators—Hand ventilators, etc. The King Construction Co., N. Tonawanda, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

HANDY MANUAL (J. W. Johnson).—A new work, fully illustrated with plans, etc., on greenhouse heating and ventilating, by a practical steam and hot water heating engineer of long experience. Replete with valuable information. 125 pages. \$1.00.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. \$1.50.

SUCCESS IN MARKET GARDENING (Kawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the largest glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, \$1.00.

American Florist Co.,

324 Dearborn Street,

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Clipper Lawn Mower Co. DIXON, ILL.



The Mower
that will Kill all the Weeds in Your Lawn. If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-in. Mower, \$5; No. 2—15-in. Mower, \$6; No. 3—18-in. Mower, \$7; No. 4—21-in. Mower, \$8. Send draft, money-order or reg. letter. Please mention the American Florist when writing.

Le Moniteur d'Horticulture

For Horticulturists and Orchid Growers.

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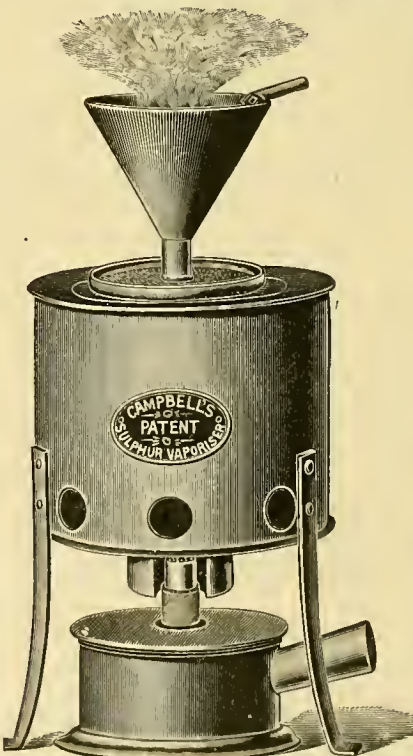
Lucien Chauré and Otto Ballif.

The representative Gardening Paper of French Florists, Seedsmen and Nurserymen. Sample copies free. The largest circulation in France, Belgium, Italy and Switzerland. Twice every month. Subscription per year: With the colored plates, \$2.30; without the colored plates, \$1.20.

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PARIS, France.

GREAT BRITISH SUCCESS CAMPBELL'S PATENT SULPHUR VAPORISER.



An apparatus which safely vaporises sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, Strawberries, Etc. Also kills that dreaded pest Red Spider.

Hundreds of Unsolicited Testimonials.

Royal Irish Nurseries, Newtownards, Co. Down, May 13, 1903.

Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

The Nurseries, Exmouth, Devon, October 17, 1903.
I have given your Patent Sulphur Vaporisers a thorough trial, and am more than pleased with the result. Generally, before housing my Show Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY,
Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet, the tube of which is loosely closed by a pyriform hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside, thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

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VAUGHAN'S SEED STORE, 14 Barclay St., New York.

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The American Patent Rights of this apparatus are on sale. For particulars apply

EXORS. R. CAMPBELL, Water St., Manchester, England.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

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at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
March 23-26, 1905. WM. J. STEWART, 11 Hamilton
Place, Boston, Mass., secretary.

AMERICAN PEONY SOCIETY.

Exhibition at Chicago about June 15. ARTHUR
H. FEWKES, Newton Highlands, Mass., secretary.

ROSE
NUMBER
WITH
REPORT
OF ROSE
MEETING
NEXT WEEK

SEND ADVERTISEMENTS NOW.

PALMS AND FERNS.

Before Easter.

Indications of more active growth are readily noticed among plants of this character at this season, many of the palms pushing up new leaves and assuming what may be termed a growing color, while in the fern house the young fronds in their various delicate tints are appearing in multitudes. These indications also point to a period of decided activity on the part of the grower, for much potting may now be done, and a general rearrangement of the stock, with the possible exception of those plants that may be required for Easter trade. A lack of space will sometimes hamper this work until after the Easter plants are out of the way, but if it is possible to arrange for it there will be considerable gain by doing some part of the potting before this late Easter.

Of course much depends upon the weather, but as a general rule after the plants begin to grow there is an advantage in early potting, from the fact that the stock becomes nicely established before the time arrives for the fires to be done away with for the season. It is doubtless poor economy to stop firing the greenhouses containing tender plants too early in the summer, but after so long and expensive a winter as this has been, the majority of growers are anxious to ease up on the coal pile as soon as possible. During the next two or three months we find that plants generally take up a great deal of water, the combination of fire heat, sunshine and strong winds encouraging rapid evaporation, and in addition to these circumstances it becomes necessary to ventilate much more freely.

Some palms bleach out in color from exposure to the full sunshine, and while little or no permanent injury is done to them by this exposure, yet the possible purchasers of these plants are likely to find fault with such light-colored stock, from the fact that they are unable to distinguish between a sun-bleached area, for example, and one that has an attack of yellows. On this account it is best to pay attention to shading early enough in the season to avoid the loss of color, but remembering that a much less dense shade is needed now than in July and August. Our practice is to shade the west side of the houses some

two or three weeks earlier in the season than the east side, thus giving the plants the benefit of the full light of the morning sun for a time, but sheltering them from the glare of the afternoon, the date upon which the shade is applied varying according to the state of the weather. Late frosts and possible snows in March are also quite trying to the shading material, but it pays better to lose an occasional coat of paint rather than to have some of the best plants spoiled by a sunburn.

One of the most tedious operations in the fern house is that of pricking out into pans or flats the young seedling ferns that will now be growing more rapidly, the usual method being that of transferring the seedlings from the seed pots to the fresh soil in small blocks or clumps, the transfer being made with a small spatula or paddle of wood, and the seedlings being simply pressed gently into the surface of the soil, for at this stage of growth there are few of them that have more than some tiny root hairs beneath the prothallus. There is some advantage in using sterilized soil for these seedling ferns, from the fact that such a practice kills the weed seeds and also fungus that may be present in the soil, the sterilizing being done either with steam or by baking slightly over a fire. And, trifling though some of these details may seem to be, yet they all count in the final result in fern culture.

The usual time for the first transplanting of seedling ferns is just as soon as the first tiny fronds show among the prothalli, for at this time the seedlings are more readily moved than they may be after the fronds get up, and besides this gives the crowded youngsters a better chance to expand. But these seedlings are very tender and especially susceptible to draughts, in consequence of which it is best that this work should be performed either in the fern house or in a protected portion of the potting shed, and as soon as a pan or flat is completed it should at once be given a careful watering with a fine rose on the watering can, and then put away, being protected from full sunshine at all times.

Fungus and snails are two of the chief difficulties the grower of seedling ferns has to contend with, either of which may do much harm in a few hours. The first is less likely to appear in a house that is well and carefully ventilated, the object being to provide

plenty of fresh air and to dry up the superfluous moisture from the miniature plants without causing strong draughts



The Late Frank H. Beard.
(See obituary page 377.)

over them or exposing them to the full sun, but it is sometimes very difficult to avoid an outbreak of fungus among the young ferns when the weather happens to remain damp and cloudy for several days together, as is liable to occur in late winter and early spring. The snails have voracious appetites for young fern fronds, and these pests must be watched for and trapped.

The seedling ferns must at all times be kept moist, but all watering should be done early in the day in order to allow them to dry off before night, and from the fact that these young plants have as yet but few roots it will not be found necessary to water them frequently. *Adiantum rhodophyllum*, *A. Victoria* and *A. Farleyense* are among the useful ferns that are propagated by means of division of the crowns, these species having a habit of producing a multitude of small crowns that may be readily divided, the divisions being either planted in rows in a light soil, or sand and chopped sphagnum moss, in a propagating frame, the latter being kept at a temperature of about 70° and reasonably moist, or may be pricked out into pans or flats and the latter placed in the frame under the same conditions.

If properly cared for these divided crowns will soon throw up a frond or two, at the same time forming roots, and may then be potted off into 2-inch pots in much the same manner as though they were seedlings. All three of these *Adiantums* are quite tender in the small state, but the first two are very beautiful little ferns for ferneries owing to their compact habit and large pinnae, and the third species, or variety rather, is now becoming so well known and admired as to need no further recommendation at this time.

The *nephrolepis* that were planted out on benches for stock during the latter part of the winter will now be growing freely and throwing out runners in quantity, the young plants so produced being taken off from time to time and potted up into small pots, and

will be benefited by shading from the sun for a week or two until they commence to root, after which the full light will encourage a shorter and more sturdy growth.

W. H. TAPLIN.

Porch Palms.

ED. AMERICAN FLORIST:—

Can palms be grown with success in a porch enclosed about the sides with glass and the roof and floor of lumber? The porch is circular and is on the north side of the house, as shown in enclosed photograph. The dimensions are 50x60 feet and 12 feet high. Will it be necessary to tile the floor? The palms would have to be grown in this porch the year around. What temperature should be maintained, the heating pipes being connected with the boiler which heats the house? D. N. M.

A number of the hardier species of



The Late Charles T. Siebert.
(See issue March 18, page 329.)

palms may be grown in such a porch as that described, provided that a night temperature of 55° to 58° can be maintained by making attachments to the regular heating apparatus. If the space beneath the porch floor is enclosed it would not be necessary to tile the floor, though it would be an improvement to do so, but if there is an open space beneath the floor that is exposed to the outer air, it would be better to lay a second floor with an air space between the two, so as to overcome the coldness of the floor in winter weather. The plants grown in such a structure would be inclined to draw toward the light and consequently would need turning around about once a week in order to keep them upright.

If the plants are to be grown in this enclosed porch throughout the year, it would also be very necessary to make liberal provision for ventilation during the warm weather by having a number of the enclosing sashes movable. Among the species of palms that are best adapted for such use are *Rhapis flabelliformis*, *Chamærops excelsa*, *Kentia Forsteriana* and *K. Belmoreana*, *Phoenix Canariensis*, *Livistona australis*, *Livistona chinensis*, and *Cocos australis*.

W. H. TAPLIN.

WITH THE GROWERS

Adolphus Gude, Washington, D. C.

Adolphus Gude, senior member of the firm of A. Gude & Brother, Washington, D. C., a portrait of whom is herewith presented, is among the most enterprising and successful growers of the national capital. Though growing a general stock, Mr. Gude has for several years made a specialty of American Beauty roses, with which he has been very successful. In addition to managing their extensive range of greenhouses he finds time to attend to other important business interests. He is a prominent member of the Masonic fraternity, being eminent commander of De Molay commandery No. 4, K. T., of Washington. He was recently presented with a beautiful silver service by the members of the chapter of which he is past high priest. Mr. Gude is married and has an interesting family.

S. E.

Hansen & Lundsted, Passaic, N. J.

Hansen & Lundsted, of Passaic, N. J., who started up their new greenhouses late last summer, now find it necessary to increase the length of their large house by adding to it 100 feet. The entire length, when completed, will be 300 feet, with a width of 40 feet. The present house was erected by the firm themselves, the material being supplied by the John C. Moninger Company, of Chicago. At this establishment, which comprises 10,000 feet of glass in two houses, roses and carnations are principally grown. The carnations are looking very fine, and attest the skill of the new firm as growers. The varieties planted are Challenger, Mrs. G. M. Bradt, Joost, Harlowarden, Fair Maid, Ethel Ward, Mrs. Lawson, Hinsdale and



Adolphus Gude.

Enchantress. The roses, which have been handicapped by their late planting, are Bride, Bridesmaid, Golden Gate and Killarney. The product of the firm is taken almost exclusively by florists in Passaic and nearby towns.

Desirable American Hawthorns.

PART II.

Cratægus Durobrivensis, Sargent, belongs to a section known as the dilatæ, characterized by usually medium sized, nearly globose, scarlet fruit, and with stout, broad, triangular calyx lobes, and broadly ovate leaves. *C. Durobrivensis*, is usually a tall upright branch-

esee valley, and extends more or less abundantly into Canada. The large saucer shaped flowers, one inch or more in diameter, with twenty stamens, and dark crimson or maroon anthers, come into bloom during the last week in May. The crimson, oblong, glaucous fruit, full and rounded at the ends, on large drooping clusters, ripens at the end of September,

crimson, large, drooping clusters of nearly globose fruit ripens towards the end of September. The leaves are very distinct, and are oval to nearly orbicular in outline. There is a very handsome individual of this species near the old Pan-American grounds at Buffalo, which last fall looked very striking, loaded with its showy fruit.

Cratægus Baxteri, Sargent, is in a section known as the intricatæ, characterized by usually orange-red fruit, ten stamens, and yellow anthers, and mature leaves smooth. *C. Baxteri* is a much-branching spreading shrub, with a broad head, twelve to fourteen feet in height. It is common on the banks of the Genesee river at Rochester, and seems to extend into Canada and Pennsylvania. The ten stamened, white anthered flowers, in compound smooth clusters, come into bloom about the first week in June. The nearly globose orange-red fruit, ripens about the middle of October. The leaves are dull bluish-green throughout the season, nearly oval in outline, and are always marked by a peculiar concavity of surface. This species is very distinct, handsome, and easily recognized.

Cratægus Laneyi, illustrated in the AMERICAN FLORIST of February 11, belongs to the section tomentosæ; the species of which are known by somewhat small pear-shaped, to short oblong fruit, the nutlets penetrated on the inner faces by a marked cavity, and by leaves that commonly taper towards the base. *C. Laneyi* forms a tall shrub ten to twelve feet in height, with slender spreading branches. This species seems to be rare and local, and at present not more than two or three individuals are known in Genesee Valley park, Rochester, where it was first found. In a hurried glance in a copse at Gananoque, Ontario, the writer, two years since, thinks he identified a group of it, but would like to see it again to be sure. The large flowers with fifteen stamens, and white anthers, on large corymbs, covered with shaggy hairs come into bloom during the first week in June. The subglobose orange-red fruit, ripens October first. This showy species is named for Calvin Cook Laney,



GROUP OF CRATÆGUS FORMOSA IN THE FOREGROUND.

ing shrub fifteen to eighteen feet in height, with olive-gray stems. It is a common species on the banks of the Genesee river at Rochester and is found at Niagara Falls, and at London, Ontario. The large showy blossoms, with twenty to twenty-five stamens, and rose colored anthers, on compound smooth corymbs, flower in the last week in May. The bright scarlet, lustrous, globose, handsome fruit, ripens about the end of September, and persists without loss of color until the month of January. The persistent character of the fruit of this species renders it highly valuable as a decorative plant.

Cratægus coccinoides, Ashe, is somewhat like the last, but differs in the dark gray branches, smaller flowers, thinner corymbs, and the fruit is not nearly as persistent. This, however, is a handsome species, as we saw it at the Arnold Arboretum. It is found from southern Illinois to eastern Missouri.

Cratægus formosa, Sargent, belongs to a section known as the pruinosa, which is known by fruit of medium size, red, more or less five-angled, and always glaucous or pruinose, and leaves thick and leathery. *C. formosa* is a tall branching shrub twelve to fifteen feet in height, with a spreading head. It is not uncommon around Rochester, Buffalo and Niagara Falls. The large showy flowers with twenty stamens and white anthers, on smooth thin corymbs, come into bloom about the last week in May. The glaucous, oblong, slightly pear-shaped fruit, ripens about the first, or middle of October, and is always characterized by abruptly reflexed red calyx lobes. The oblong-ovate leaves, usually round at the base, have a very distinct yellowish-green appearance throughout the season.

Cratægus beata, Sargent, a pruinosa species, is a spreading, handsome, tall, shrub, fifteen to eighteen feet in height, and frequently extends into broad thickets. It is common in the Gen-

and first of October. The leaves are deep blue-green throughout the season. This species looks handsome when in bloom.

Cratægus Dunbari, Sargent, belongs to a section known as the tenuifolia, with usually oblong, pear-shaped, medium sized crimson fruit, and with leaves usually remaining thin throughout the season, and generally smooth in all parts. *C. Dunbari* forms a dense round-topped shrub twelve to fifteen feet in height, and is a common plant on the banks of the Genesee river at Rochester. It has not yet been reported west of Buffalo. The ten stamened flowers, with rose colored anthers, on long compound corymbs, come into bloom about May 20. The



CRATÆGUS BAXTERI.

(In Seneca Park, Rochester, N. Y.)

superintendent of the Rochester park system.

Cratægus ferentaria, a tomentose species, forms a tall handsome shrub, with stout spreading stems fifteen to eighteen feet in height, and is a common species in the Genesee valley. The flowers, with ten stamens, and creamy yellow anthers, on shaggy, hairy, large corymbs, blossom during the last of May. The small, short-oblong, crimson, lustrous fruit, in broad, large, drooping clusters, ripens after the middle of September and soon falls. The leaves are oval, tapering towards the base, lustrous, thick, dark green, and very attractive. The leaves turn to a handsome yellow in the autumn, and fall before most of the other hawthorns.

JOHN DUNBAR.

Syringa Villosa.

Among eleven or twelve species of lilacs known in cultivation, the northern Chinese lilac, *Syringa villosa*, is one of the most beautiful and useful. The numerous individuals now in cultivation have all been disseminated from plants raised from seeds sent to the Arnold Arboretum about thirty years ago by the late Dr. Bretschneider, a member of the Russian legation at Peking, China. It usually comes into bloom here about the latter part of the first week in June. The pale rose colored flowers are produced on numerous dense, elongated thyrses, and are fragrant, although not possessing the strong fragrance of the common lilac, *Syringa vulgaris*. The large, handsome ovate leaves are pale beneath, and covered with slender pale hairs, particularly on the veins.

It is perfectly hardy, easily transplanted, and planted in well drained, light, loamy soil it soon develops into an ornamental shrub of the first order, from four to seven feet in height. The illustration shows a group of three plants in the lilac collection at Highland park, Rochester, N. Y., planted about six years ago.

JOHN DUNBAR.

THE ROSE.

Cultural Notes.

About this time, owing to an unusual amount of twiggy growth which makes tying too much of a good thing, it will be found necessary to do a little judicious pruning, only trimming out what cannot be tied up to advantage. The best of cuttings can be selected from some of this wood, and if propagated at once will make fair sized plants for late June planting. Another thing that should be attended to regularly is the tying back of all the buds hanging over the walks; many fine flowers are broken off or injured by not attending to this work. Besides, the stems become crooked or otherwise unfit for use. A general tying is now in order; I should say, a general overhauling should be given the roses and the necessary attention roses require in the spring, as it is now only a few weeks from Easter and every bud should count.

As usual the roses are more or less neglected when the spring rush of work comes around, and it is a good plan to get them in good shape while there is yet a little time. To produce high grade stock throughout the season it simply means that they should receive daily attention. Competition increases annually and it is only by producing the very best that we can be sure of profitable returns. Where it has been found necessary to mulch heavily either by covering the soil entirely or by placing the manure in piles, in no case should it be allowed to become caked or packed but should be loosened up some. The piles can be leveled if well rotted. The spring mulch is a great producer of weeds, which should be taken out before they get too large, otherwise the manure will come away with the weeds, exposing or disturbing the roots.

This is also the time to do some careful ventilating, increasing and decreasing the air gradually; the hardening of the plants preparatory to cutting off the artificial heat can only be accomplished by proper ventilating.

We should try and be sure of a bright day for syringing, particularly just after our fires have been stopped, in order to have the foliage well dried off before the sun leaves the houses, if we wish to avoid a dose of black spot or mildew. Now we come to one of the very important details, disbudding. At no other time during the season do the plants need more attention than now in this respect; the lateral shoots make such rapid growth that unless removed frequently they will take the strength from the main bud and injure the color of the buds also. It is a good idea to look ahead, say one crop at least, in growing roses, and whatever you may be doing at present, be it pruning, cutting the buds, watering, etc., work with the intention of building up and improving the plants for a future crop.

E.

Heliotrope and Lobelia.

Year after year some growers are compelled to throw quantities of bedding plants in the rubbish heap just because they were not in flower when the time came for disposing of them. This can especially be said regarding heliotrope and lobelia, both ordinarily good sellers when the plants are thrifty and in bloom. But who wants them without a single flower visible? To avoid this with heliotrope, cuttings ought to be put in early, if not before, certainly now, and when rooted, potted into pots of the smallest size, keeping them shifted as they require it until they are in 3½-inch or 4-inch about the middle of April, to be in bloom and for sale by May 15 at the latest.

Lobelia in nearly all its varieties should also be sown now, if not before, and when the seedlings are fit to handle (they are never very easily handled), they should be pricked off into shallow flats, singly. I wish to emphasize singly because I have found that when lobelia is pricked off in bunches, as is sometimes done, it damps off much more readily than when this is done singly. After they have nearly grown into each other in the flats, it will pay to pot them into thumb pots and out of these into at least 2½-inch pots; 3-inch would be better at selling time, with the tops of the pots covered with flowers; then they would sell all right.

DAVID MCINTOSH.

Amaryllis Johnsoni?

ED. AMERICAN FLORIST:—

Can you tell me the name of my amaryllis? I have two, both of which were supposed to be Johnsoni, but they are different in color. The one which I think must be the true Johnsoni has four blooms to each stem and it is a rich dark red with a white stripe down the center of each petal. The blooms are about five or six inches across. The other is a brick-color and carries a green stripe on each petal, which runs to the very tip of the petal, and there are but two blooms to each stalk.

A. O.

"A. O." is right about Amaryllis Johnsoni. The name of the other is Amaryllis aulicu var. glaucophylla. A splendid colored plate of this variety may be found in the Botanical Magazine, No. 2983.

ROBERT CAMERON.



CRATÆGUS DUOBREVENSIS.

(Fruiting branch in January.)

THE CARNATION.

New Sport of Enchantress.

A sport from Enchantress has been found in the Brown Floral Company's establishment at Canton, O. It is called Mrs. Ida McKinley, and the growth and size of the bloom and freedom of blooming is said to be equal to its parent. The distinction from the parent is color and a strong clove fragrance, which is claimed to be a strong point in its favor. It is a delicate pink, a shade lighter than Joost; the base of the petals is darker, blending to a lighter pink toward the tips when fully expanded. The Brown Floral Company has named the variety Mrs. Ida McKinley in honor of the widow of our late president, William McKinley. The flower has been shown and admired by her, it being her favorite color.

American Carnation Society.

CARNATION SPORTS.

Prior to the advent of Lawson, carnation sports were of such rare occurrence that when one did occur, it could be named and claimed by the grower with whom it occurred as his origination, or at least as his exclusive stock. Since Lawson and its descendants have come into existence, all claims to exclusiveness in the ownership of a sport must be laid aside, as it no longer exists. Evidence of this fact could be used, enough to fill this edition of the AMERICAN FLORIST, but it is not necessary to go beyond the White Lawson. With how many growers did this appear in one year? Answer this for yourself and you have the answer to all the others. Today we are having the same thing in Enchantress and M. A. Patten.

The three Lawson sports that are being sold commercially are through the wisdom of the men introducing them, being sold exactly for what they are, White Lawson, Red Lawson and Variegated Lawson. There are true pink Lawson and light pink Lawson and Enchantress sports and Patten sports galore to come, and it is to be hoped that the growers will consult their own interests and avoid confusion by leaving off all special names and selling them for pure pink Lawson and light pink Lawson, following with a description of their color, etc.

Two of these light pink Lawsons have been registered through an oversight of "yours truly," and several more are claiming recognition, so that there would be endless confusion in this color alone if they were given independent names with each grower with whom they occur, and on the strength of these facts this society can not in the future register any sports excepting under a descriptive and uniform name. The three Lawson sports being offered commercially have also been shown at the meetings of this society and at various club shows; this is not only commercial wisdom on the part of the owners, but the only way in which they can be properly disseminated.

To show them before this society is the one and only way in which to get them before all of the best carnation growers at one time, and next to that, in order to reach a still greater number, the various club shows can be used. As an illustration, if Smith shows his

"light pink Lawson" at Boston next meeting and it strikes me as a good thing, I would buy my cuttings from Smith, no matter if Jones, who claimed to have the same thing, but did not show it, would offer it at half the price asked by Smith.

ALBERT M. HERR, Sec'y.

New York Florists' Club.

A regular meeting of the New York Florists' Club was held on Monday evening, March 13, in the club rooms. Although it was to be "rose night," the exhibits of roses presented were few in number. John Breitmeyer's Sons, of Detroit, staged a handsome vase of La Detroit, the specimens conceded to be the finest of this variety ever seen at the club. P. Bisset, of Washington,



SYRINGA VILLOSA IN HIGHLAND PARK, ROCHESTER, N. Y.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 18 were as follows: New York, cucumbers, No. 1, \$1.25 to \$1.50 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 65 cents per pound; radishes, \$3 to \$4 per 100; tomatoes, 10 cents to 25 cents per pound; rhubarb, \$3.50 to \$4.50 per 100 bunches. Buffalo, cucumbers, \$1 to \$1.50 per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Pittsburgh, cucumbers, \$1 to \$1.50 per dozen. Detroit, cucumbers, \$2 per dozen; lettuce, 13 cents to 14 cents per pound. St. Louis, cucumbers, \$1.50 to \$1.90 per dozen. Chicago, mushrooms, 20 cents to 50 cents per pound. Denver, cucumbers, \$2 per dozen. Cincinnati, cucumbers, \$1.50 to \$2 per dozen. Kansas City, mushrooms, 40 cents per pound.

MONTPELIER, VT.—Emslie & Broadfoot are arranging to add a vegetable growing department to their greenhouse establishment this spring.

MARYVILLE, Mo.—C. H. Hollied is still doing business at the old stand and has not sold out as was erroneously stated in these columns several weeks ago.

D. C., showed his new pink seedling in fine form, and it was much admired. F. R. Pierson Company, of Tarrytown, N. Y., showed the Baby Rambler flowered, grown to perfection. The comments on this variety were both numerous and laudatory. The same concern showed some fine carnations, Variegated Lawson, White Lawson, and Daheim, crimson; a vase of Killarney roses, and a specimen of Nephrolepis elegantissima; last, but not least, was an exhibit of Nephrolepis Scottii in a graduation of sizes, made by John Scott, of Brooklyn. A vote of thanks was passed to the exhibitors.

J. A. Shaw, for the outing committee, reported that the resort at Glenwood had been engaged for Wednesday, June 28, and the steamer "Isabel" for transportation. Daniel Wittpen, H. Suzuki, R. C. Pye, James McHutchison, R. M. Schultz, and William Weber, were elected to membership in the club, and W. G. Johnson, of New York, was nominated.

The new set of rules governing the exhibition of novelties and disseminated varieties of plants and flowers at the club were presented by the chairman of the committee on awards, Patrick O'Mara, and after the consideration of the same, section by section, were on motion adopted. They are as follows:

RULE 1. The committee requires that the initial exhibit of new varieties of flowers or plants be made at a regular meeting of this club, and the exhibitor shall notify the secretary at least ten days prior to the meeting at which he proposes to exhibit.

RULE 2. Anyone showing a novelty with the intention of obtaining the club's endorsement in any way the committee may recommend shall conform to the rules laid down by them for their guidance as herein stated.

RULE 3. Any exhibit of a novelty in cut flowers at a regular meeting, if considered of sufficient merit by the committee, they, or at least three of them, shall be empowered to visit the place where it is growing, and if, after careful examination of the same, they deem it of sufficient merit, they shall award accordingly; but if, in their judgment, it appears advisable to defer the same till a second visit shall be made, they shall be at liberty to so decide.

RULE 4. The highest award for flowers or plants shall be the silver medal of the club, the next the certificate of the club, the next "highly commended," the next "honorable mention."

RULE 5. In judging carnation flowers at the exhibition in the club's meeting room, the scale of points adopted by the American Carnation Society shall be adopted as follows: color 25; size 20; calyx 5; stem 20; substance 10; form 15; fragrance 5. Should the variety judged score 85 points or more a preliminary certificate shall be granted to it. In judging the variety where it is growing, the following scale shall be used: condition 15; productiveness 15; color 15; size 15; calyx 5; stem 15; substance 5; form 10; fragrance 5. Should the variety score 85 points or more, the final award shall then be made. If it fail to score 85 points or more, the preliminary certificate shall be withdrawn and public notice given of said withdrawal.

RULE 6. In judging rose flowers at the exhibition in the club's meeting room, the scale of points adopted by the American Rose Society shall be used as follows: size 10; color 20; stem 15; form 15; substance 10; foliage 15; fragrance 5; distinctiveness 10. In judging the variety where it is growing the following scale shall be used: condition 15; productiveness 15; size 10; color 15; stem 10; form 10; substance 10; fragrance 5; distinctiveness 10. The stipulations for award on carnations shall apply also to roses.

RULE 7. In judging chrysanthemums at the exhibition in the club's meeting room, the scale of points adopted by the Chrysanthemum Society shall be used as follows:

COMMERCIAL SCALE. EXHIBITION SCALE.	
Color 20	Color 10
Form 15	Stem 10
Fullness 10	Foliage 10
Stem 15	Fullness 15
Foliage 15	Form 15
Substance 15	Depth 15
Size 10	Size 25

The final award shall be made on chrysanthemums at the initial exhibition in the club's meeting room.

RULE 8. When a new plant such as will be grown in pots, or in the open ground generally, is brought to this club's meeting, if the committee is sufficiently satisfied as to its distinctive merits and other qualities, they shall be empowered to give final award without further examination.

RULE 9. In judging plants or flowers other than the foregoing, the committee may use a scale of points adopted by a special society covering the exhibit, if any exists; or they may judge them by any other method at their discretion.

RULE 10. All reports of the committee shall be entered in a book kept for said reports, and all reports shall be signed by the members making same.

RULE 11. The committee recommends that the expenses necessarily attending the traveling, etc., to examine novelties where they are grown, shall be paid by the exhibitor. We further recommend that after the initial exhibit be made in the club's rooms and the committee requires further investigation that the party exhibiting such novelty shall be notified by the secretary that if he wishes the committee to go to the place for further examination he must forward the amount in cash to the secretary of this club necessary to cover mileage, etc. The chairman of this committee shall first ascertain what such expenses would be and advise the secretary of the amount, and in no case where the money is not sent in advance shall the committee be authorized to make the visit.

RULES GOVERNING EXHIBITS.

The following are the rules governing the exhibits of disseminated varieties:

RULE 1. Dispersive exhibits of flowers or plants already disseminated shall be judged by the scales governing same as provided in the rules for novelties, excepting roses. In the case of the latter the following scale shall be used: size 15; color 20; stem 20; form 15; substance 15; foliage 15.

RULE 2. The awards under the rules for disseminated varieties shall be: First, "Award of excellence for culture"; second, "Award of merit for culture."

RULE 3. All exhibits at club meetings not embraced in the foregoing shall be judged by a special committee appointed by the presiding officer with the approval of the club.

RULE 4. Should less than three members of the committee of awards appear at a regular meeting when exhibits are to be judged, the presiding officer shall, with the approval of the club, appoint others to act temporarily; the power thus granted to expire at the close of the meeting.

SPECIAL.

When the committee visits the place where plants or flowers are grown, for the pur-

pose of making final inspection, at least three of the committee must be present before final award is made.

Under the head of new business the questions taken from the question box at the last meeting were again presented. "What is the most valuable characteristic in a rose" was replied to by Harry O. May, who deplored the small space of time allowed for the presentation of a reply to so important a question. He considered that one quality in a rose was hardly less valuable than another. All things considered he would be inclined to say "form." A rose with form, however, might not be prolific. Again, from a commercial standpoint "stem" would be most desirable, and most apt to suit the commission man. From an exhibition view "beauty" is looked for. He quoted the late Dean Hole's summing up of what should characterize a rose—form, abundance of petals, graceful arrangement within a circular and symmetrical outline, and next to that color. The latter seemed to be important to many. The American Rose Society laid great stress on color. Stem was certainly an important quality but, he said, one of the most beautiful roses ever introduced had no stem at all, the Marechal Neil. Bride and Bridesmaid



Floral Arrangements at Dusseldorf—Fig. 1.

were the fancy today, but without their "form" they would be objectionable.

Robert Simpson thought the American Rose Society was about right in letting their judgment run to color. If one of the specimens staged before him had the color of Liberty it would be the most beautiful Liberty was, he thought, pre-eminent among roses on account of its bright, beautiful, dazzling color. He believed with Mr. May that Bride and Bridesmaid were popular only because of their form.

Patrick O'Mara's view was also that there was no one principal characteristic in a rose for all purposes. Color in forcing roses was perhaps important, but constitution could not be overlooked. It was his opinion that in a rose, or any other plant, constitution was the greatest characteristic to look for. He instanced the Baby Rambler on the exhibition table, which he claimed was responsible for its growing popularity on account of its propensity to do well under most adverse circumstances.

J. N. May said he did not wish his remarks taken as applying to anything but forcing roses.

"What is the most valuable characteristic in a carnation," was answered by John Birnie, as follows: I say—without hesitation—its keeping or lasting qualities, for of what value are all its other characteristics, color, fragrance, etc., if it goes to sleep a few hours after leaving the grower's establishment? That is the specific answer to the question, but I do not consider that the

answer would be completed without touching briefly on the cause or causes of the carnation going to sleep. Much has been said, and much has been published in the trade press on this subject so that it is pretty hard to say anything new. However, the fact remains that some carnations go to sleep, and it is up to those who grow and those who handle these flowers to find out the cause and apply the remedy. That the grower himself is responsible in some cases cannot be denied; overfeeding, especially with chemical manures, will put the carnation to sleep even on the plants. I have seen instances of it. Heavy fumigating has the same effect; allowing inexperienced help to pick the flowers; improper ventilation; keeping the houses too hot either night or day; and injudicious watering, are some of the causes that the grower is responsible for. Of the causes above mentioned I think overfeeding is the most common. The keeping qualities are sacrificed in the attempt to get large flowers. Next comes overheating. I read in one of the papers lately that Enchantress gave the best results at 56° to 57° night temperature. I am sure carnations grown under these conditions must suffer both in strength and stem and keeping qualities. Picking the flowers is also an important matter. Some varieties can be left on the plants until fully developed, while others are better when picked before they are quite open. This the grower finds out by studying the varieties he grows.

Flowers in which the female organs are abnormally developed are more apt to go to sleep than those without that peculiarity, more especially in fall and spring when considerable ventilation is necessary, and the pollen is carried around by the wind or by insects. But the trouble does not all rest with the grower by any means. The commission man has to take his share of the blame. A visit to the average commission store in the morning rush hours will give the grower a jar. There he will see the flowers that he has watched over and cared for, for months to the best of his ability, handled in no gentle manner, the flowers that he picked and made haste to get into water, packed as carefully as he could, put the boxes on the express wagon as if they were full of eggs, told the express man that he must be extremely careful of, are, in some stores, lying on the counters, and under the counters in heaps. Sometimes they may lie for hours. If eventually they are put in water so many are put in a vase that the flower has no chance to develop. The limit is reached only when the vase will hold no more stems.

That the carnation will recuperate and improve after being taken from the shipping box goes without saying; a case in point happened in our own club some years ago when we met in Elks' hall. A carnation was sent from near Boston to be judged by our award committee. It was unpacked in the ante room, taken into the club room and received 85 points. About an hour afterwards a member of the committee called the attention of his colleagues to the fact that the flowers were better than when they were passed on. They therefore re-examined and gave it 87 points. One important matter which does not seem to be fully recognized either by the grower or commission man is the fact that some carnations are more delicate than others and require far more care both in picking and in handling. Enchantress is one of them. I believe if it is properly picked, packed and handled, it will stay awake as long as the average carnation. I have kept it in my own sitting room for ten days in good shape. Marquis was another good flower that had to succumb to rough handling.

The carnation is no doubt the most popular flower in commerce at the present time, and will certainly retain that popularity if due care is exercised in handling it. The grower is constantly improving his methods at great expense to himself, as is shown by the improvement in the carnation during the past fifteen years.

Is the distributor improving his methods at the same rate? Is he as particular about ventilating his store as the grower is about ventilating his greenhouse or flower room? Does he put flowers consigned to him into water as soon as he can after receiving them? Does he pay any attention at all to the temperature of his store, and does he understand that all carnations, in fact all flowers, require gentle handling? Does he see that his employes handle the flowers as they should be handled? In short does the average distributor give the same care to the flower as the average grower?

"What is the most valuable characteristic in a fern" brought answers from James T. Scott and John Scott. The former believed "keeping qualities" was most important. The beautiful Farleyense could not be sur-

passed for beauty, but how few could grow it. The success of the Boston fern was proof that keeping qualities were the most essential in a fern. John Scott considered adaptability most important. Commercial ferns should be free growing, symmetrical and graceful.

"What is the most valuable characteristic in a chrysanthemum?" was answered by C. H. Totty who was called upon in the absence of Wm. Duckham, and was therefore unprepared. He thought the quality should be adaptability. It was certainly everybody's flower and flourished equally well in the conservatories of the rich and the quarters of the working man. The chrysanthemum, he thought, was second to no other flower. Why, he said, "You cannot get a flower show in New York any time without the chrysanthemum. Roses and carnations at these shows take back seats."

J. N. May asked why the chrysanthemum should be considered second to none when it only existed a few months in the year, and the rose and carnation were obtainable the year around. Mr. Totty admitted the argument but said that when chrysanthemums were in everything else dropped out of sight.

Questions taken from the box for next meeting were: "Are carnation growers more progressive than rose growers?" and "Is floriculture in the United States as far advanced as in Europe?"

Resignations were read from Geo. W. Crawhuck, and Charles Millang, and accepted. After adjournment Chairman J. B. Nugent, Jr., of the house committee, presided over a hot turkey and dispensed liberal portions of the same in sandwich form, and afterwards sang "Bluebell" in good form. Allie Bunyard and Alex Wallace contributed songs.

THE RETAIL TRADE

A Correction.

In the sketch of the inaugural ball-room decorations, by the writer, in the issue of the AMERICAN FLORIST for March 11, the number of bricks in each column in the Pension building is given as 1,000,000. Whether the error is clerical or typographical, deponent saith not. The correct number is 100,000 to each column. S. E.

Floral Arrangements at Dusseldorf.

We present herewith two additional illustrations of exhibits at the International Horticultural and Floral Exhibition of Dusseldorf, Germany, September 17-20, 1904.

Figure 1 represents a floral exhibit exclusively of various shades of blue arranged by Seyderhelm Brothers, of Hamburg, decorators to the emperor, for which the following plants were brought into use: *Vanda cœrulea*, *echinops*, *eryngium*, *scabiosa Caucasica*, *Polypodium glaucum* and blue *selaginella*.

Figure 2 shows an exhibit by Rudd Bohm, of Dresden. This might have been called the most artistic combination of floral arrangement, and therefore filled the condition of its being a perfect specimen of art in floriculture. The pictures used in this arrangement represented Prinkenau castle, the native place of the German empress.

New York.

MARKET IMPROVES.

Towards the end of last week the market showed a slight improvement, stock on Saturday cleaning up fairly well. The few days of real spring weather prior to Sunday, however, had a disastrous effect on the market at the opening of the present week. Stock came in avalanches. Roses suffered most, and prices were borne to figures



FLORAL ARRANGEMENTS AT DUSSELDORF.—Fig. 2.

which even the buyer might deplore. American Beauty roses suffered worst of all. Extra selected specials were sold on Tuesday at 15 cents, and even lower, and specials in general went off at 10 and 12 cents. For the sake of the trade it is to be hoped that recurrences of such a slaughter will be few and far between. Bride and Bridesmaid in the special grades even when selected brought no more than 6 cents, and sales of this class were so few that those making them considered themselves in luck. As an asking price it was "off" and sales of specials were generally at the 5 cent figure. Carnations are still over plentiful, and do not bring over 5 cents, and that figure applies almost exclusively to controlled novelties. Here and there, under conditions, a novelty sale might reach 6 cents, but could not be considered a figure in the market. Violets have, figuratively, gone to pieces, and the trade in them is almost wholly apportioned to the street men, who weary the commission men in their efforts to buy fresh stock at the minimum figure. Certain bulbous stock sells better on account of its scarcity, narcissus bringing as high as 30 cents per bunch, and good daffodils a point or two higher than before. Pansies are in demand, but in poor supply. Tulips are on the plentiful side, and in consequence move slowly. With the market in its present condition shipping orders of course are filled only at much better prices, and quotations for out of town trade are materially advanced; but such business has dwindled much under the present low demand.

NOTES.

Monday and Tuesday were black days around Twenty-eighth street. The commission men were not in their usual mood for "kidding," and were in general depressed by general conditions. One referred to his slip making machine as "his bridge of sighs;" another declared his eyeglasses were unfit for use after making out his grower's returns, owing to the scalding tears he shed.

St. Patrick's day was the cause of a little impetus to the retail trade. Shamrock potted sold well, and decorative pieces in Irish designs were in good demand. President Roosevelt came to the city to take part in the celebration, and enjoyed the parade of the Irish societies. John Mallon, the Brooklyn florist rode at the head of the Ancient Order of Hibernians.

Peter Verona, a young Greek, is in custody on a charge of selling rights for vending articles on the elevated railroad system. Fifteen men in court said he had sold them "rights" to sell flowers and peanuts.

John Scott of Brooklyn is justly jubilant over the condition of his Easter lily stock. He says it will be quite as good, or better, than last year's, and his order book is filling satisfactorily.

Ford Brothers have just completed a mammoth ice box in their new Twenty-eighth street store, and will have completed the removal from their present quarters by the end of this month.

The Madison bowlers are to meet the New Yorkers on neutral alleys Friday of this week in a final game. The Tuxedo alleys, Newark, N. J., have been selected.

Alfred Dimmock, the well known representative of Sander & Sons, St. Albans, Eng., was expected in New York last Saturday on the S. S. Lucania.

The new wholesale firm of Seligman & Trepel has been dissolved, and John Seligman will continue the business alone.

James McManus reports the demand for orchids fairly good just now and his stock shows that he is as usual, prepared to meet it.

Julius Reehrs has returned from his trip to southern climes, with improved health.

Chicago.

LENTEN SEASON SHOWS EFFECT.

The usual Lenten season quiet prevails in the local market but the conditions are much brighter than last week, the demand having apparently taken an upward turn and the prices ruling somewhat stiffer than for some time past. Shipping trade bears up in good shape and upon this outlet the grower and commission man depends to keep stock from the ice boxes and the dump. Carnations are in heavy supply and quotations read low indeed for the quality of the average stock. Rose prices have stiffened perceptibly. American Beauty of the best grades are in good demand and many more could be handled than are being cut by the Chicago growers. Cheaper grade American Beauty are not so easy to move, however, and prices are sacrificed in order to keep them going. There are enough violets for all purposes and bulbous stock, while not a glut, continues to stand comparatively still. Green goods are holding a steady call and prices are consistent.

NOTES.

J. B. Deamud, who has been appointed manager of the annual exhibition of the American Peony Society, which will be held June 17 and 18, announces that preparations are going rapidly forward and a successful meeting is assured. The exhibition will be held in the banquet hall of the Auditorium hotel.

Bassett & Washburn, besides a heavy spring business, are occupied with extensive building and improvements at their Hinsdale ranges. We expect later to give a full description of the new houses, which will be models of modern greenhouse construction.

On Thursday of this week, the exhibition of Easter stock is being held in Handel hall, under the auspices of the Florists' Club. George Asmus, the manager, is taking pains to make it one of the best spring exhibitions held by the club.

The Howe & Taylor Manufacturing Company, the new wire design manufacturers located in the Flower Growers' Market, are encouraged with an auspicious start.

Stellery Brothers have been more than successful with their season's stock of miscellaneous plants and their Easter supply will be of exceptional quality.

Peter Reinberg executed a rose order high up in the thousands to Cincinnati this week, which aided considerably in keeping his supply level with the board.

Manager Percy Jones, of the Market, anticipates a better than average Easter trade this year, with prospects for plenty of good stock.

Mrs. C. De Wever, of St. Louis, Mo., formerly of Vaughan's Seed Store, is reported seriously ill in the former city.

J. A. Budlong is showing Bridesmaid roses and Lawson carnations that run on a higher level than average stock.

Wietor Brothers have commenced the chrysanthemum plant season with an extensive list of varieties.

James Hartshorne, of the Chicago Carnation Company, is in Philadelphia this week.

A. L. Randall Company is preparing for an unprecedented spring activity.

Visitors: J. Louis Loose, Washington, D. C.; C. P. W. Nims, representing A. H. Hews & Company, North Cambridge, Mass.; F. J. Foster, St. Louis, Mo.; Robert Miller, late of Gregsen, Mont., enroute to Boston, Mass.; W. J. Brown, Jr., Jackson, Mont.

Boston.

THE MARKET.

While the prices have not changed much the past week stock has been selling much more freely, with the exception of roses of all varieties, which are very druggish. The warm weather, the thermometer at this writing being 70° in the shade, will advance stock rapidly so that there will probably be another glut next week all along the line. Carnations and violets while but little higher in price have been selling freely this week, due in large measure to the local demand. Bulbous stock of all varieties has held its price and is selling well. Plenty of white stock is now being brought into the market and is bringing from 3 to 4 cents, and is used largely for funeral work.

NOTES.

The Gardeners' and Florists' Club held its monthly meeting March 21; the address of the evening was by William H. Elliott, of Brighton, the subject being, "My Trip to the West Indies." Owing to its being exhibition week a large number of visitors were present. On March 18 the club visited the greenhouses of W. W. Rawsen, at Arlington.

Jeremiah Herrigan, of East Foxboro, the well known violet grower, died on Friday night at his residence. He was about 70 years old, and had been a stockholder in the Boston Co-operative Flower Growers' Association from its inception.

James W. Newman, of Belmont, who formerly kept a retail store on Washington street, has filed a petition in bankruptcy showing liabilities of approximately \$7,000, with nominal assets of about \$3,000.

Mrs. Sutherland has sold out her Bromfield street store to Sidney Hoffman. This now makes three stores which Mr. Hoffman controls, the others being on Commonwealth avenue and in Cambridge.

John I. Gurney held the first meeting of his creditors on Thursday of last week. His liabilities amount to about \$2,000, with practically no assets. He formerly kept a store in Dorchester.

Edward MacMulkin, of Boylston street, had an odd window display this week, consisting principally of various kinds of vegetables and fruits, with a background of bulbous plants.

Henry Penn had an effective decoration made up entirely of white flowers, including roses, carnations, cyclamens and bulbous plants. It has attracted general attention.

Welch Brothers are now receiving large shipments of the Killarney rose, for which they are the exclusive agents in this city.

The Boston Cut Flower Company has had an elaborate display of jonquils and daffodils the past week.

Norton, the florist, of Park street, did a big business in shamrocks on St. Patrick's day.

H. P. S.

Philadelphia.

LOW PRICES RULE.

There has been a shake-up the past week and things are different; prices are away down. Special American Beauty roses can now be bought for \$4 per dozen. Teas are also much lower, the special Bride and Bridesmaid going for \$10 per 100. Carnations have also suffered, and \$3 will now buy the best Enchantress and all the other fancies except a few special extras. Snapdragon is coming in nicely and makes a welcome addition to the assortment. It shows up well as a window flower and keeps well. All bulbous stock is very plentiful but seems to find a market at \$2 to \$3 per 100. Greens hold out well and the demand is good; in fact smilax is scarce and good stock readily brings 20 cents per string.

The day of the street vendor of cut flowers is just at this time not very rosy. Since the law was enforced some six weeks ago a number of them have been arrested at intervals and fined \$7.50. Some claimed they would gladly pay this sum if allowed the privilege on Saturday at least. These with cases who rent the privilege from storekeepers are not molested, although judges have decided that the sidewalks belong to the public and no one has a right to receive rent for use of same.

Faust, of Merion, is well pleased with his house of Adiantum Croweanum and will erect another one, a third larger, the coming season, to be planted with the same variety with perhaps a few A. Farleyense.

At the market they are receiving John E. Haines' new scarlet carnation.

The Leo Niessen Company is still receiving some good freesias.

W. K. Harris made another great hit with his shamrocks.

K.

Baltimore.

TRADE FAIRLY ACTIVE.

During the week we have had some fine weather, a clear crisp air, radiant sunshine and seasonable temperatures, just such as roses delight and thrive in. The result is an improvement in quality and output, all around. Carnations are in excess, and violets seen will be though there is a well-maintained demand for them. Trade has been fairly active, the improvement in weather conditions giving a little more swing to business. The usual funeral requirements keep up and the sending of flowers to the sick is a custom which is appropriate to and largely followed during the season of Lent.

The Gardeners' Club at its annual meeting last Monday night, had a much larger than the usual attendance and the members feel encouraged to hope for a revived interest. The election of officers was animated, especially for the presidency. Philip B. Welsh was elected to that post over Frank C.

Bauer, who was made vice-president. The contest was a good natured and personal one, there being no variation of policy represented by the two candidates. Mr. Welsh is a young man, with a good deal of energy and is making his way to the front in the trade, and as chief executive of the club can be depended upon to use all his resources to enlarge its usefulness. He has a steadily growing place at Glyn-don, and makes a specialty of carnations, doing also a large business in plants for Easter. Mr. Bauer's place is at Govanstown and he too is one of the rising men in the florists' line, active, resourceful, energetic and experienced.

The other officers selected were John J. Perry, recording secretary; George Talbott, financial secretary; F. G. Berger, treasurer; Charles M. Wagner, librarian. After the meeting there was a banquet and speeches were made and toasts drank. It was reported that more members were in attendance than for several years. S. B.

Buffalo.

With the weather all that one could wish for trade has been good. The supply of stock has been equal to all demands. Daffodils have sold several times in the stores at 25 cents per dozen and violets have been sold on Saturdays at 25 cents per bunch. Roses are quite fine and the only hope is that weather conditions will be favorable for Easter.

The business of E. J. Buxton, 1103 Niagara street, has been bought by Mr. Wells formerly with C. D. Zimmermann.

According to reports from Manager Keitsch the Sweeney Company's spring show will be a hummer. The carnation exhibition will be a feature. That part will be international as Canada has promised some exhibits, and the western carnation men are with us.

The business of J. H. Rebstock has been incorporated and a stock company formed. The name of the corporation is the J. H. Rebstock Company.

Otto Gillis, well known to the trade from his newspaper career, is now in W. F. Kasting's office.

C. A. Harris formerly of Rochester is now with S. A. Anderson. BISON.

Los Angeles.

Trade has been excellent the past month, and the supply has nearly equaled the demand, but seldom exceeded it. The tourist season will be about over by Easter, but that demand is now secondary to the regular local trade. Los Angeles could well support a wholesale cut flower house; there is a good chance to build up a shipping trade.

J. W. Wolfskill, who opened his retail store in the Hallenbeck hotel thirty days ago, is doing well. The store and its fittings would be creditable to most eastern cities, as also would the stock of flowers carried. He handles his own cut, from over 100,000 feet of glass.

Visitors: Anthony Wiegand and wife, of Indianapolis, have much enjoyed three weeks here and will leave for the north soon.

LAKE GENEVA, WIS.—The gardeners of Lake Geneva have formed an association with thirty-one members.

Illinois State Florists' Association.

The prospect of securing a state appropriation for experiment work for floriculture under the direction of an advisory committee of the Illinois State Florists' Association has awakened great enthusiasm in that organization. At a meeting of the Chicago Florists' Club on March 9 thirty new names were added to the already long list of members of the state society. Application to incorporate has been filed. In the endeavor to secure favorable consideration by the state legislature, the committee in charge has been surprised at the lack of realization of the importance of the greenhouse industry in Illinois. For educational purposes it has issued the following open letter:

By an act approved March 2, 1887, the national government appropriated \$15,000 per annum to each state for the purpose of establishing and maintaining an agricultural experiment station, "to aid in acquiring and diffusing among the people of the United States useful and practical information on subjects connected with agriculture and to promote scientific investigation and experiment respecting the principles and applications of agricultural science."

The agricultural experiment station of Illinois was placed under the direction of the trustees of the state university as a part of the university. From 1887 to 1901 the station was maintained upon the United States fund of \$15,000. Its sphere and its activities were necessarily limited because the above sum had to be used for salaries, printing four bulletins a year, as required by law, labor, supplies, etc. When divided among four or five departments representing great agricultural interests, such as agronomy, animal husbandry, horticulture, dairying, together with the necessary investigation in botany, entomology and chemistry relating to these industries, it is a matter of wonder that the stations have done the great work they have. According to the provisions of the law, none of the money can be used for buildings, as it was supposed the states would make the necessary appropriations for them.

Four years ago the various agricultural organizations of the state, realizing that the appropriations received from the national government were inadequate, sought and obtained appropriations. The past two years appropriations were made as follows: Twenty-five thousand dollars for live stock investigations; \$25,000 for the soil survey of the state; \$15,000 for dairy investigations; \$10,000 for corn investigations and \$10,000 for orchard investigations. Each of these appropriations was expended under the direction of an advisory committee of five from each of following associations: The Illinois Live Stock Breeders' Association, Illinois Farmers' Institute, Illinois Corn Growers' and Illinois Corn Breeders' Association, Illinois Dairymen's Association and the Illinois State Horticultural Society.

The sums mentioned are specifically appropriated for certain investigations and have been so used. The only reason the florists have not had similar appropriations is because they have not asked for an appropriation for experimental work.

According to the census figures for 1900 there was invested in floriculture in Illinois the sum of \$4,648,056. Of this amount \$2,096,652 was represented by buildings and \$2,439,163 in land. The wholesale value of the flowers and plants sold in 1899 was \$1,867,855. There was 8,414,641 square feet of glass. In addition to the above figures, which relate to the commercial florists, or those who derive the principal part of their income from the sale of flowers and plants, we find 1,199 gardeners using a total area of 8,744,020 square feet in growing plants.

Greenhouse building firms estimate the amount of greenhouse building material, including structural work, glass and pipe and heating apparatus, at \$2,000,000 per annum of sales in the city of Chicago alone. Information obtained by builders, through the trade press, from wholesale plantmen and estimates from leading members of the trade, make it certain that the value of investment and the amount of annual output are now 50 per cent greater than the above quoted figures for 1900. Conservative estimates place the coal consumption of the greenhouses of Illinois at 150,000 tons per annum.

In Cook county we find the glass area of the florists to be 5,855,612 square feet; in

Du Page county, 532,680 square feet; Kane, 195,563; Sangamon, 184,240; McLean, 150,265; Will, 110,455; Morgan, 96,000; St. Clair, 95,330; Peoria, 86,509; Lake, 73,487, etc. With few exceptions there is in every county of the state some glass devoted to floriculture, and if we include the glass used in market gardening the industry is practically universal, so far as the state is concerned. Indeed, no other state has so universal an interest in floriculture as Illinois. The industry is common to the whole state, and if we remember that a portion of the appropriation asked for should be used for experimentation on the home grounds of the state, the fact is established that floriculture is an interest that affects every person who possesses even a few feet of land. From the foregoing it will be seen that the results of investigations will be far reaching.

New York, the only state which equals or surpasses Illinois in commercial floriculture, has provided greenhouses at its two experiment stations at Geneva and Cornell. Many experiments have been carried on for the benefit of this industry, particularly with vegetables under glass. In Illinois, with her great floricultural interests, not a dollar has been specifically appropriated for experimental work along this particular line, while other agricultural interests have been cared for and florists have paid their part of the state taxes without any direct benefit in return.

In Rhode Island an asking has been made of the legislature for the sum of \$15,000 for greenhouses. They will get it because the florists and gardeners are supporting it. In Illinois there are single establishments with a greater glass area than there was in the whole state of Rhode Island in the census year.

The state of New Hampshire has today perhaps the most compact and serviceable little range of glass of any state agricultural college and experiment station, costing \$7,000 and built under a state appropriation. Compared with the floricultural industry in Illinois, New Hampshire has not as much glass as Du Page county, to say nothing of Cook county, which surpasses every state in glass area except New York, Pennsylvania, New Jersey and Massachusetts. Is \$10,000 too great a sum for Illinois to put into glass structures?

The lines of work under glass which most likely will be taken up are methods of combating insect and fungous diseases and investigations in the use of commercial fertilizers. Whatever is undertaken will be determined by an advisory committee appointed or elected by the Illinois State Florists' Association, and this committee will certainly see to it that only such problems are investigated as are of the most vital interest to the whole state. The law contemplates a fund of \$10,000 a year to pay all operating expenses, labor, coal, supplies, printing, etc., as well as co-operative experiments carried on away from the experiment station. If an insect or fungous pest appears on ornamental plants anywhere in the state which cannot be readily determined as an investigator should be put to work at it to the end that it may be brought under control for the common good of all the trade. Under the law for orchard investigations almost all the work has been carried on away from the university. No one knows at the present time what this co-operative work will be, but there will necessarily be some such work done and the appropriation must cover all possible contingencies, especially since there can be no profit in maintaining a range of glass for experimental work, as the work will be largely with diseased plants.

The movement for appropriation is favored by the Illinois State Florists' Association, the Chicago Florist Club, and many other prominent florists of the state, but every florist in the state should co-operate, and this can best be done by urging your representatives and senators to vote for the bill. Interview them when they are at home, if possible, otherwise write them a strong letter.

J. C. Vaughan, President Society of American Florists, Chicago.

James Harthorne, President of the American Carnation Society, Joliet, Ill.

F. J. Hauswirth, State Vice-President (north) Society of American Florists, Chicago.

John Willis, State Vice-President (south) Society of American Florists, Danville, Ill.

The Chicago Florists' Club, by resolution; attest, Robert Johnstone, Secretary.

The Illinois State Florists' Association, W. N. Rudd, chairman pro tem.

George Kuhl, Pekin, Ill.; J. F. Ammann, Edwardsville, Ill.; A. C. Canfield, Springfield, Ill., and many others.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.

Subscriptions accepted only from those in the trade.

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AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send the old address at the same time.

THIS ISSUE 52 PAGES WITH COVER.

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OUR annual rose number will appear next week. Send your advertisement now.

THE exhibition of the American Rose Society now in progress in Horticultural Hall, Boston, Mass., will not close before March 26. Don't miss it.

Live Issues.

The organization of the Illinois State Florists' Association is a step in the right direction and an important one. We understand that the intention of the organizers is not to cover the ground which can be covered by the Society of American Florists and other national societies but to take up issues more purely local to the state. Already we hear talk of a grand state flower show to be held at Springfield next fall and to be followed annually, and possibly oftener, by other exhibitions in dif-

ferent cities of the state. Such shows will be a revelation to the citizens wherever held and can not fail to do an incalculable amount of good to the trade of the whole state. They would be a campaign of education.

Let the florists of other states follow the lead of Indiana and Illinois until we have a state association and a state flower show in every state.

The Illinois Florists' Bill.

The florists of Illinois have awakened at last and are demanding their rights. The bill introduced and championed by them for a state appropriation for building greenhouses at the experiment station to investigate the various ills that plants are heir to, and the many other puzzling questions concerning the growing of plants under glass, seems to be in a fair way to pass.

In nearly all legislatures floriculture has been included, nominally, under the head of horticulture, and under a broad definition of the term this is proper. When, however, it has come time to spend the appropriation those having control of the funds have defined horticulture as "apples" and have spent the money often in trying to make two apples grow where one never did, and never will grow.

The Illinois florists have already demonstrated that horticulture means much more than "apples"—in fact that the apple interests of the state form only a very small proportion of the horticultural products of the state. It is probably a fact that the commercial floral product of the state of Illinois exceeds by a half million dollars the entire commercial fruit product of the state, and it is eminently proper that so great an industry should demand and receive proper recognition at the hands of the legislature.

Society Reports, Prize Lists, Etc.

We are in receipt of the following from the officers of societies named:

Notice of the international congress of the federated horticultural societies of Belgium, to be held at Liege, May 10, 1905. Charles Gonthier, 101 Rue de Statte, Huy, Belgium, secretary.

Royal Horticultural Society of England, report of the council for 1904 and arrangements for 1905. Rev. W. Wilks, Vincent Square, London, S. W., Eng., secretary.

Royal Caledonian Horticultural Society, premium lists for spring show, May 24-25, and international horticultural exhibition, September 13-15, 1905. T. Murray Thompson, 5 York Place, Edinburgh, Scot., secretary.

Lenox Horticultural Society, Lenox, Mass., annual report for the year 1904 and prize lists for exhibitions to be held June 22 and August 24, and the preliminary prize list for chrysanthemum show of the present year. G. Foulsham, Lenox, Mass., secretary.

American Peony Society.

The members of the American Peony Society will hold their annual meeting and exhibition in the banquet hall of the Auditorium hotel, Chicago, Friday and Saturday, June 17 and 18. A very large display of the newer and fancy varieties of peonies is assured. The president of the society, C. W. Ward, spent several days in Chicago last week

looking over details of the exhibition with W. A. Peterson, C. Cropp and J. B. Deamud and requests that all peony growers advise the chairman of the exhibition committee, Arthur Bryant, of Princeton, Ill., as well as the manager of the exhibition, J. B. Deamud, 51 Wabash avenue, Chicago, at the earliest possible moment, of what they will have to exhibit in order that proper arrangements may be made to supply the requisite vases.

Substantial cash premiums, as well as certificates of merit will be given. All growers of peonies should take special interest in this exhibition, as through the means of these exhibitions must we expect to straighten out peony nomenclature, as well as to educate the general public as to the splendid developments which have been accomplished during the past twenty-five years with this magnificent flower.

American Rose Society.

An additional special prize is offered for award at the Boston exhibition, March 23 to 26, by A. H. Hews & Company, Incorporated, North Cambridge, Mass., of a silver cup, value \$25, for the best specimen pot-grown rose in the exhibition, ramblers and climbers excluded.

WM. J. STEWART, Sec'y.

For Measuring Flowers.

Kroeschell Brothers Company, the well known boiler concern, 55 Erie street, Chicago, is presenting its patrons a neat cardboard device for measuring blooms. It is of circular form and four and one-half inches in diameter with a slit to admit flowers to the center. It is a very handy affair and subscribers can secure one by writing the above firm, enclosing a 2-cent stamp for return postage.

Meetings Next Week.

[Secretaries of societies are requested to send us advance information of special meetings, and of changes in dates of regular meetings.]

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, Monday, March 27, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, Monday, March 27, at 7:30 p. m.

Grand Rapids, Mich.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street, Monday, March 27.

San Francisco, Cal.—Pacific Coast Horticultural Society, Saturday, March 1.

Tarrytown, N. Y.—Tarrytown Horticultural Society, Thursday, March 30.

Trade Notes.

Frederic Craneheld, secretary of the Wisconsin State Horticultural Society, is a candidate for nomination for alderman on the democratic ticket in the fifth ward of Madison.

Peter Crowe, of Utica, N. Y., has been selected as one of the judges for the forthcoming exhibition of the American Rose Society.

Leonard Barron, formerly editor of American Gardening, now discontinued, is now managing editor of the new Garden Magazine.

Wallace R. Pierson was at San Antonio, Tex., March 1, returning from the coast.

OBITUARY.

Marjorie Cole-Agnew.

Marjorie Cole-Agnew, daughter of Levant Cole, of Battle Creek, Mich., died at her home in Port Huron, Mich., March 13, death resulting from pneumonia. Mrs. Agnew was twenty-one years of age and had been married about three or four months.

Frank H. Beard.

Frank H. Beard, senior member of the firm of Beard Brothers, Woodmere, Mich., died Monday, March 20. He was born in Detroit forty-three years ago. In his early childhood he removed with his parents to the place on Fort street, Woodmere, where he lived until his death. After his school days were over, he assisted his father, George Beard, in gardening business, which was carried on extensively by the latter for many years, the business gradually developing into that of growing flowers. After his father's death, which occurred several years ago, he joined his brother Edward S., and continued the business under the name of Beard Brothers. They have always been conspicuous as successful carnation growers and also for a large stock of pot plants the quality of which was recognized by the local trade and found a ready market here. Mr. Beard always took an active interest in the family affairs of his village, and was once a trustee and succeeded his father as member of the school board which position he held ever since. He was a member of the first congregational church, belonged to the Maccabees, A. O. U. W., S. A. F., American Carnation Society and the Detroit Florists' Club; he was at one time state vice-president of the S. A. F. A special meeting of the club was held Tuesday evening and resolutions were adopted deploring his loss and arrangements were made for attending the funeral, Wednesday afternoon in a body. He had an attack of appendicitis eight weeks ago and had apparently recovered but an operation was deemed necessary last Wednesday, from which he did not recover. He is survived by his widow, three children, mother, four brothers and two sisters. See portrait page 368. J. F. S.

SPRINGFIELD, MASS.—The Hampden County Horticultural Society held its annual meeting March 1. The next regular session is in June.

ANITA, IA.—During the coming summer Charles H. Talbot will double the amount of his glass, the supply of cut flowers falling far short of the demand the past winter.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—A German all-around florist, married. Box 223, care American Florist.

Situation Wanted—As working foreman; age 35, married. Life experience. Good references. Box 213, care American Florist.

Situation Wanted—By an A. No. 1 rose grower; 11 years' experience in Beauties and Teas; can furnish A. 1 reference. Address D. H. Postoffice, New Castle, Ind.

Situation Wanted—As rose and carnation grower; capable of taking charge of small places; life experience. Good references. Address Box 219, care American Florist.

Situation Wanted—By practical gardener and florist; 20 years' experience in all branches; A1 cut flower and plant grower; married man; competent to take charge; English. References. Box 222, care American Florist.

Situation Wanted—As working foreman in carnations, or to run a first-class carnation establishment on shares. An A. No. 1 grower of all new varieties. Please state terms and particulars in first letter. Box 224, care American Florist.

Situation Wanted—By a young married man; would like to have the growing of roses, carnations and general stock on medium-sized place. Can come well recommended from northern and southern states. Box 225, care American Florist.

Situation Wanted—As florist and landscape gardener; single, age 31. 10 years' experience in France and England, 6 years in this country. Graduate of the State Nursery School of Ghent, Belgium. Best of references. Address Box 217, care American Florist.

Situation Wanted—As foreman on good sized commercial place where growing roses for cut flowers is made a specialty. Refer to Alex. Montgomery, Waban Rose Conservatories, Natlok, Mass. Address Box 183, care American Florist.

Situation Wanted—By young married man, German, age 27, strictly temperate and reliable. 5 years under glass, 3 years on private place. Wishes steady position on private or commercial place; private preferred. Good references. For full particulars, address Box 209, care American Florist.

Situation Wanted—First-class grower of roses, carnations, 'mums and general line of pot and bedding plants, also good in landscape gardening wants position as foreman or take charge of section where No. 1 stock is wanted. Age 33, with 19 years' experience. State wages. Address Box 207, care American Florist.

Help Wanted—A first-class all-around greenhouse man. Please state age, references, etc. J. B. Heiss, Dayton, O.

Help Wanted—All-around grower. State age, experience and wages expected with references. HINZ & Co., Leavenworth, Kan.

Help Wanted—Wanted lady designer for floral work and to take charge of flower store. Address AURORA GREENHOUSE CO., Aurora, Ill.

Help Wanted—Good all around florist, single, German. THE F. BLONDELL COMPANY, Oak Park Ave. and Augusta St., Oak Park, Ill.

Help Wanted—Man for general greenhouse work. State wages with board. German preferred. Address Box 220, care American Florist.

Help Wanted—A first-class gardener for a public institution. Single man preferred. Send full particulars as to qualifications. Address Box 218, care American Florist.

Help Wanted—Reliable, single man to grow roses, carnations, 'mums and geraniums. State age and wages, with references. GIFT FLORAL CO., Richmond, Ind.

Help Wanted—Experienced grower of roses, carnations and general stock for retail trade. Good wages to sober, reliable man. Address M. M. Strono, Sioux Falls, S. Dak.

Help Wanted—Section foreman for carnations. State wages wanted without board, also age and references. Address P. R. & C. Co., Crystal Farm, Gibsonia, Pa.

Help Wanted—Two florist girls, two men, April 15. Must thoroughly understand store work. Send references, wages. Address IMPERIAL FLORIST COMPANY, Minneapolis, Minn.

Help Wanted—At once; all-around florist; grower of first-class roses and carnations; strictly sober and industrious. Good wages. Board on place. Give age and references. Address Box 236, care American Florist.

Help Wanted—Single man understanding growing vegetables and roses; no glass. Winter will furnish other work; by year \$26.00 per month and board. Send references in first letter. BORDEN STOCK FARM, Tont, Ill.

Help Wanted—Young man for general greenhouse work; commercial place; steady job and good home; state age, experience, where last employed and wages per month with board. GEO. S. BELDING, Middletown, N. Y.

Help Wanted—Good reliable man for general greenhouse work; must be sober and a good worker. Wages \$12.00 per week. References required. State age and nationality. Box 201, care American Florist.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Help Wanted—Young man with at least three years' experience at general greenhouse work; one preferred that has worked around small places; mostly bedding plants; pay not over \$9 per week. No work evenings or Sunday. Steady job. Address GUS KNOCH, Woodmere, Mich.

Help Wanted—Competent reliable foreman for three greenhouses; must be a man with unquestioned ability and character, and that is well-versed in growing carnations, roses and general line of plants; also capable of helping in floral work and decorating. Permanent place for right man; one who speaks German preferred. For particulars address CHARLES OTTO HORN, Grandon Greenhouses, Helena, Mont.

Help Wanted—For an important establishment in Germany comprising nurseries and greenhouses, with a specialty of cut flowers, a first-class German manager; age between 30 and 40, Protestant, with good recommendations. He must understand the general management and special treatment of roses and carnations. Wages \$75.00 per month, share in profits, residence and fuel. Permanent appointment for the right man. Apply at once, sending copies of testimonials and references. Convenient offers are answered in the midst of April. Address Box 206, care American Florist.

Wanted—To lease greenhouses, not less than 15,000 square feet of glass, suitable for growing out flowers. Must be in good condition and well heated. Term not less than five years. Also some land. Ohio or Indiana preferred. State particulars. Address Box 202, care American Florist.

For Sale—A well stocked greenhouse for \$750. WM. BALLARD, Perry, Iowa.

For Sale—A good business, in a fine town. Doesn't require a fortune. Investigate. Address Box 221, care American Florist.

For Sale—Owing to the death of the proprietor, the greenhouses and stock of the Lake Geneva Floral Co., established in 1890 are offered for sale. A good opening for a practical man. W. H. HAMMERLEY, Lake Geneva, Wis.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale—4,500 feet 1½-inch wrought iron pipe, 5c per ft.; 400 ft. 2-inch 7c; 230 ft. 3-inch 15c; threaded and coupled, good as new. Also a quantity of miscellaneous cast iron fittings two years old, at 70 per cent of store prices. WENICK BROS. CO., Pine Ridge, Buffalo, N. Y.

For Sale or Lease—An exceptional bargain for right party; greenhouses with 8,000 square feet of glass. Hot-water heating plant with practically new boilers. 2½ acres of good land in fine location. Well established business in full operation. Apply to ANNA W. KIDDER, Waltham, Mass.

For Sale—A well established business in a thriving town in Indiana; 14,000 square feet of glass; up-to-date stock in fine condition, of roses, carnations and miscellaneous stock. An exceptional opportunity, as owner wishes to retire. Cash or payments. Last year's sales, over \$5,000. Address Box 195, care American Florist.

For Sale—Greenhouse business consisting of 9 houses, 22,000 feet of glass, 2½ acres of ground, 6 room dwelling house, with bath, out-house of 2 rooms for help, barn, 2 horses, 4 wagons, buggy, 2 40-horse-power boilers, city water plenty, well, Morehead trap coal, cost \$1.50 per load of 45 bushels, one wagon can haul 10 loads per day, easy terms, located 9 miles from Pittsburg, good retail trade, good wholesale market. Will sell entire plant or sell houses and lease land. Any other information cheerfully given. T. P. MCCORMICK, Pittsburg Florists' Ex., 238 Diamond St., Pittsburg, Pa.

Cincinnati.

MARKET DULL.

Trade the past week was a little quiet and stocks accumulated accordingly; especially is this true of carnations. Good Lawsons went begging at 2 cents and ordinary varieties sold at 50 cents and \$1.00 per hundred. Bulbous stock is a glut and it is needless to talk about values.

ANNUAL CARNATION EXHIBITION.

There were few exhibitors at the annual carnation exhibition of the Cincinnati Florists' Society March 11 in the club rooms at the Jabez Elliott Flower Market. They certainly did themselves proud for they put up the very best show of carnations ever seen in the club rooms. The only detriment to the show was lack of room, for at times it was utterly impossible to get through the crush of people. As Mr. Hill remarked: "This show should have been held down on Fourth street in one of the empty store rooms, so that the public might have a better opportunity of viewing the flowers;" but as our city is enjoying an unprecedented boom at present and store rooms on Fourth street are at a premium we had to submit to the inevitable and go to the club rooms. The exhibitors were: The E. G. Hill Company and Ed. Ruch of Richmond, Ind.; Honaker of Lexington, Ky.; H. Weber & Son, Oakland, Md.; W. E. Hall, Clyde, O., and Messrs. C. C. Murphy, J. W. Rodgers, R. Witterstaetter and George & Allan of this city. Among the varieties were noticed: Fiancee, Cardinal, Lady Bountiful, Flamingo, The Belle, My Maryland, Paten, Lawson and Enchantress. The seedlings were too numerous to describe owing to a lack of time on the part of the writer, but without wishing to be presumptuous would say that I doubt if their equal was ever seen in this country. Judge Theo. Bock of Hamilton, O., said he had his hands full in awarding the prizes in some of the classes as competition was very close. His decisions, however, gave general satisfaction as there were no comments heard.

The awards follow: Best vase white R. Witterstaetter, first; E. G. Hill Company, second; Chicago Carnation Company, third.

Best vase light pink, R. Witterstaetter, first; Honaker, second; E. G. Hill Company, third.

Best vase dark pink, R. Witterstaetter, first; Chicago Carnation Company, second; Honaker, third.

Best vase red, The E. G. Hill Company, first; R. Witterstaetter, second; Ed. Ruch, third.

Best vase variegated, E. G. Hill Company, first; Chicago Carnation Company, second.

Best 100 mixed, E. G. Hill Company, first; Chicago Carnation Company, second; J. W. Rodgers, third.

Best 25 seedlings, R. Witterstaetter took all three premiums.

Best general display, R. Witterstaetter.

The E. G. Hill Company showed a vase of Richmond which was admired more than anything in the hall by the public. In the evening the local florists gave a banquet at the Gibson house to the out of town florists and a pleasant hour was spent.

NEWS NOTES.

Judge Bock was presented with a

handsome meerscham smoking set by the Cincinnati Florists' Society March 11, in appreciation of the able services rendered by him as judge of the exhibitions the past season.

A. Sunderbruch's Sons last week used 20,000 violets for a funeral order.

The Cincinnati Commercial Tribune on March 12 began a series of articles on gardening written by Mr. John Thorpe, and we look forward to quite a treat for the next two months as they will appear every Sunday for that length of time.

Visitors: E. G. Hill, Ed. Ruch, of Richmond, Ind.; O. Honaker and Will Gerlach, of Lexington, Ky.; Theo. Bock, Hamilton, O.; Mr. Weber, of Oakland, Md., and Joseph Goldman, Middletown, Ohio. A. O.

San Francisco.

MARKET CONDITIONS.

There seems to be a fair amount of business notwithstanding the advent of the Lenten season. While there is a heavy supply along nearly all lines prices seem to hold out fairly well, ruling about the same as last week. There is still a scarcity of first class roses and it will probably be some time yet before the first grade is in the market in sufficient quantity. Violets are over for the season, only a few stray lots of double being obtainable. There is a great quantity of carnations coming in daily, some of which are bringing very low figures. Enchantress seems to hold up well and is still bringing top figures. The market is flooded with Lawson, good, bad and indifferent. Many of the leading growers claim that this variety is running out or deteriorating, and such seems to be the case with many of them, judging by the quality of the blooms received. Bulbous stock is plentiful. Smilax is going well at an advanced price.

NOTES OF THE TRADE.

The idea of having one day set apart each year for the celebration of Burbank day is spreading rapidly all over the Pacific coast. In Santa Rosa, the home of the famous scientist, March 17 has been designated as Burbank day, and native trees will be planted throughout the county, and as far as possible, choice will be made of Burbank's creations. After this year March 7 will be the day in this county. Mr. Burbank has been notified that the city of Spokane, Wash., is to have a Burbank day in the course of a few weeks, and all over that city plants that owe their origin to the "wizard of horticulture" will be planted.

The great flower carnival of the city of Oakland, which it is proposed to hold in April, will not be held at the Emeryville race track as was at first the intention. The vigorous protests which were lodged against the proposition by the various beneficiary organizations, the churches and the labor unions, have had their effect, and at the last meeting of the directors of the carnival it was voted not to hold the affair at the race track. As yet it is an open question where it will be held.

The Menlo Park Horticultural Society at its meeting Thursday night decided to hold a spring exhibition in April. A committee was appointed to make the necessary arrangements.

Hilda M. Feckheimer, a floral decorator at 1150 Sutter street, has filed a

petition in bankruptcy, with liabilities of \$2,077. Her assets are \$707.

Fick & Faber, the carnation specialists, suffered a loss of several hundred dollars recently owing to an accident to their boiler.

James Brown has resigned his position of head gardener to the Taylor estate at Menlo Park.

NORMA.

Pittsburg.

Business is very irregular, yet it may be called good, for three or four days of good business each week easily puts the balance in our favor. Stock of all kinds is plentiful and moving out in fine order. The few fine days of spring weather that we had in succession started the sale of ferns, palms and seeds.

FLORISTS' CLUB.

Rose night at the Florists' and Gardeners' Club produced unbounded evidence of the widespread interest that centers in the monthly meetings of the club. The attendance was good and the members mixed, and lots of valuable information divulged as to just how some of the growers grew the fine stock that was presented for inspection and discussion. There were also exhibits of primroses, cyclamens, cinerarias, Dutch hyacinths, etc. When daffodils were presented for inspection Wm. Falconer brought out an interesting discussion in which several Dutch bulb representatives participated. The announcement of the death of Charles T. Siebert was received with regret. The names of four applicants were presented for membership.

NOTES.

The sheriff closed T. Ulam & Company out last Friday. Lloyd Swarthout, of Washington, is the petitioner of the process. Excessive rent is regarded as the main cause of the failure, as Tom Ulam is a hustler and did a big business.

Downtown stores are preparing for usual floods, which flood their cellars and sometimes enter the stores of those nearest the Allegheny river.

Charles T. Siebert's new store with palm and fern houses attached will open March 23 and will be managed by E. Zieger.

W. B. Flemm is building a new house on the same site of his former one which was destroyed by fire a few weeks ago.

A. T. Lorch, of De Haven, Pa., will erect five new houses. Three will be 40 x 300 feet and two 20 x 125 feet.

L. I. Neff, who recently purchased the Elliott plant at Cheswick, is making his home there.

Robert Schenk has taken a position with Charles T. Siebert.

Visitor: James A. Eastwell, of Smith & Feters, Cleveland, O.

Fred Burki is suffering from a broken rib received by a fall.

E. L. M.

PALMER, MASS.—C. A. and L. A. Royce have bought the Randall place on North Main street and will build large greenhouses on the property.

LAWRENCE, MASS.—A. H. Wagland will build a greenhouse for show purposes on Broadway. The new house will be about 21x55 feet, and ready for occupancy by April 1.

Don't Get in a Rut.

Too many Florists buy their flowers without thinking much about whether they could do better elsewhere.

Don't get in a rut. Look around. If you can't do better than you now are, you will be all the better satisfied after you make sure of it. **We know you can do better.**

Our price list (sent on request) will present one argument; the Quality (a trial order will convince you) will clinch the argument.

Weiland & Risch,

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Prices: 100LBS@8
200LBS@7
500LBS@7



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Credit Reference Book. A subscription to our Credit List will cost you \$10 a year, and it may save you \$100 the first month. Special Reports. We make a specialty of this part of our work. Collections. We collect slow and doubtful accounts. Why not go through your books at once and send us all the claims that are in arrears?

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ADMINISTRATION DU **JOURNAL DES ROSES**

a **SUISNES, Brie,**

Par Grisy-Suisnes. (Seine et Marne). FRANCE.

LOS ANGELES, CAL.—Dr. A. D. Houghton, under the patronage of the Santa Fe railroad, will soon begin experiments in growing spineless cacti at several desert points along the road, notably at Victorville in the Mojave desert.

HARDY CUT DAGGER AND FANCY FERNS.



We carry the finest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are **DAGGER**, \$1.50 and **FANCY FERNS**, All quality, \$1.50 per 1000. Discount on larger orders. **BRILLIANT BRONZE** and **GREEN GALAX**, \$1.00 per 1000. **Laurel Festooning**, good and full, handmade 50 and 60 per yd. **Green and Sphagnum Moss**, \$1.00 per bbl. **Sphagnum Moss**, 50c per bag; 5 bags, \$2.00. **Ivy Leaves**, \$4.00 per 1000. **Sprengerii**, 25c and 50c per bunch. **Asparagus Plumosus**, 50c per bunch or string. **Leucothoe Sprays**, \$1.00 per 100; \$7.50 per 1000.

We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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Green and Bronze Galax Leaves, 75c per 1000.

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Write, Wire or Phone the Introducers,

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New Crop Southern Wild Smilax
now ready in limited quantities.

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Dealers in all kinds of

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Fancy and Dagger
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HARDY CUT FERNS.

Fancy, \$1.50; Dagger, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$8.50 per case of 10,000. **Laurel Festooning**, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your **CHRISTMAS** orders now and we will please you. **Branch Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



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76 Wabash Ave..CHICAGO

Wholesale Flower Markets

MILWAUKEE, March 22.		
Roses, Beauty, long, per doz.	5 00	
" " med. " "	2.00@ 3 00	
" " short " "	.75	
" Liberty.....	6.00@12.00	
" Chateau.....	6.00@10.00	
" Bride, Bridesmaid.....	6.00@10.00	
" Meteor, Golden Gate.....	3.00@10.00	
" Perle.....	3.00@ 8.00	
Carnations.....	1.50@ 4.00	
Smilax.....	12.50@15.00	
Asparagus sprays.....	2 00	
Valley.....	3 00	
Adiantum.....	1.50	
Violets.....	.50@ .75	
Callas.....	8.00@10.00	
Romans, Paper Whites.....	3 00	
Harrisii.....	10.00@12.50	
Tulips, Daffodils.....	3 00	

Prices are holding fairly well.

PITTSBURG, March 22.

Roses, Beauty, extras.....	18 00@25.00	
" " No. 1.....	8 00@12.00	
" " ordinary.....	3.00@ 5.00	
" Bride, Bridesmaid.....	3.00@12.00	
" Meteor.....	6 00@ 8.00	
" Liberties.....	8.00@15.00	
" Perle, Chateau.....	3 00@ 8.00	
Carnations.....	1.00@ 3.00	
Lily of the valley.....	3.00@ 4.00	
Smilax.....	12.50@15.00	
Asparagus, strings.....	25 00@50.10	
Asparagus Sprenger.....	2.00@ 3.00	
Lilies.....	6.00@15.00	
Adiantum.....	1.00@ 1.50	
Mignonette.....	1.00@ 3.00	
Daffodils.....	2 00@ 3.00	

CINCINNATI, March 22.

Roses, Beauty, per doz.....	1.00@ 4.00	
" " Bride, Bridesmaid.....	4.00@ 8.00	
" " Liberty.....	6.00@10.00	
" " Meteor, Golden Gate.....	4.00@ 8.00	
Carnations.....	1.50@ 4.00	
Lily of the valley.....	3.00@ 4.00	
Asparagus.....	50 00	
Smilax.....	12.50@15.00	
Adiantum.....	1.00@ 1.50	
Callas.....	10.00@12.50	
Asparagus Plumosus and Sprenger in bunches.....	25c per bunch	
Harrisii.....	15.00	
Romans, narcissus.....	3 00	
Violets.....	.75@ 1.00	

ST. LOUIS, March 22.

Roses, Beauty, long stem.....	4.00@ 6.00	
" " medium stem.....	2.00@ 3.00	
" " short stem.....	.50@ 1.50	
" " Bride, Bridesmaid.....	4.00@ 6.00	
" " Liberty.....	4.00@ 6.00	
" " Kaiserin.....	4.00@ 6.00	
Carnations.....	1.00@ 4.00	
Smilax.....	12.50@15.00	
Asparagus Sprenger.....	1.50@ 3.00	
" Plumosus.....	25.00@50.00	
Ferns, fancy.....	per 1000, 2 00	
Adiantum.....	1.00@ 1.25	
Violets, California.....	.25@ .40	
" Double.....	.50@ .60	
Lily of the valley.....	2.00@ 3.00	
Romans.....	2.00@ 3 00	
Callas.....	8.00@10.00	
Paper White narcissus.....	3 00	

CLEVELAND, March 22.

Roses, Beauty, per doz.....	.75@ 4.00	
" " Bride, Bridesmaid.....	3.00@ 8.00	
" " Meteor.....	3.00@ 8.00	
Carnations.....	1 00@ 4.00	
Smilax.....	10.00@15.00	
Asparagus, strings.....	25.00@50.00	
" Sprenger.....	1.00@ 2.00	
Common ferns.....	2 00	
Violets, single.....	.35@ .75	
" double.....	.50@ 1.00	
Tulips.....	3.00@ 4.00	
Sweet peas.....	.50@ 1.00	

Easter Orders.We are now booking orders for **Easter Stock**—Easter Lilies, Roses, Carnations, Tulips, Hyacinths, Daffodils, Violets, Etc.

Send us a list of your wants and we shall be pleased to quote you prices.

—SEND FOR WEEKLY PRICE LIST—

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AMERICAN BEAUTIES.Cut Roses—American Beauties and all
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Wholesale Cut Flowers**LARGEST GROWER
IN THE WORLD.****Price List.**

AMERICAN BEAUTIES—		Per doz.
Extra Select.....		\$ 5.00
30-inch stems.....		3.00
24-inch stems.....		2.50
20-inch stems.....		2.00
16-inch stems.....		1.50
12-inch stems.....		1.25
Short stems.....		.60@1.00

		Per 100
LIBERTY.....		\$8.00 to 12.00
CHATENAY.....		6.00 to 10.00
MAIDS AND BRIDES.....		5.00 to 8.00
PERLE.....		6.00 to 8.00
SUNRISE.....		6.00 to 8.00
UNCLE JOHN.....		6.00 to 12.00
CARNATIONS.....		1.50 to 3.00

All flowers are perfectly fresh and properly packed.
No charge for P. & O. on orders over \$5.00.

Please mention the American Florist when writing.

SHIPPING LABELS FOR**...Cut Flowers**Printed in two colors on gummed
paper; your card, etc., in black and
leaf adopted by the S. A. F. in red.
Very attractive. Price per 500,
\$2.85; per 1000, \$4.50. Send for samples.**ELECTRO OF THE LEAF, POSTPAID, \$1.25.****American Florist Co.,
CHICAGO.**

EASTER ORDERS.

IT is now only 4 weeks until Easter. We are booking orders now and are prepared to make you figures for Easter delivery. We do not want you to place your orders elsewhere until you have figured with us.

We are booking orders now on Longiflorums for Easter delivery at \$125.00 per 1000. Our lilies are packed in boxes at the greenhouses and shipped in original packages, thus avoiding bruising by rehandling.

A. L. RANDALL CO., 19 RANDOLPH STREET, **Chicago.**

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THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
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L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

FANCY CUT FLOWERS a Specialty.

If you want Choice Cut Flowers at any time or all the time, send to



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WESTERN HEADQUARTERS FOR CHOICE

ORCHIDS, FANCY VALLEY, TULIPS
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VIOLETS, BEAUTIES, TEA ROSES, and
CARNATIONS. Wild Smilax, Asparagus,
Adiantum, Smilax, Fancy Ferns always in
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GREENHOUSES: HINSDALE, ILL.

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Wholesale
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CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reasonable prices. Prompt attention.

51 Wabash Ave., **CHICAGO, ILL.**

Please mention the American Florist when writing.

Wholesale Flower Markets

CHICAGO, March 23.

Roses, Beauty, 30 to 36-in. stems	4.00@ 5.00
" " 20 to 24 "	2.50@ 3.00
" " 15 to 18 "	1.50@ 2.50
" " 12 "	1.00
" Liberty.....	2.00@12.00
" Cbatenay.....	2.00@10.00
" Bride, Bridesmaid.....	2.00@10.00
" Meteor, Golden Gate.....	2.00@10.00
Carnations.....	1.00@ 2.00
" fancy.....	2.50@ 3.00
Valley.....	2.00@ 4.00
Violets.....	.30@ 1.00
Asparagus Plumosus, per string 40 to 50c sprays 2.00@6.00	
" Sprengerl.....	3.00@ 6.00
Leucothoe sprays.....	.75
Galax Leaves, Bronze, per 1000, 1.00	.15
" Green, " 1.00	
Adiantum.....	.75@ 1.00
Fancy ferns....per 1000 2.00@ 2.50	
Smilax.....	12.00@15.00
Callas.....	1.00@1.50 per doz.
Paper Whites.....	3.00
Romans.....	3.00
Tulips.....	1.50@ 5.00

Poehlmann Bros. Co.

Wholesale Growers of

and
Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

Greenhouses: 35-37 Randolph Street,
Morton Grove, Ill. **CHICAGO.**

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Wholesale Growers
and Shippers of **CUT FLOWERS**

58 WABASH AVENUE, CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders
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SUCCESSOR TO BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Choice Carnations. Any quantity. Prices
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Careful attention given shipping orders.

58-60 Wabash Ave., **CHICAGO.**

Vaughan & Sperry,

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WRITE FOR SPECIAL PRICES.

—BUY YOUR—

Cut Flowers, Florists' Supplies,

WIRE DESIGNS at

THE FLOWER GROWERS' MARKET,
60 Wabash Ave., **CHICAGO.**

BROOKLINE, MASS.—Upon the invitation of George F. Fabyan of the Massachusetts Horticultural Society, the members of the garden committee of the society visited his estate and greenhouses here March 7. James Stuart is Mr. Fabyan's gardener.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty....

WHOLESALE
GROWER of

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35 RANDOLPH ST.

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The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

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BOSTON, MASS.

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All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.
FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

GRAFTED ROSE STOCK.

Now is the time to order for summer flowering.

KAISERIN and CARNOT, 2 1/4-inch pots, \$15.00 per 100; \$120.00 per 1000
OUR ROOT STOCK.

KAISERIN, CARNOT, BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.

WHOLESALE FLORISTS

ALSO SUCCESSORS TO

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CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

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H.G. BERNING Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN, Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

BOSTON, March 22.

Roses, Beauty, best.....	35.00@50.00
" " medium.....	20.00@25.00
" " culls.....	6.00@ 8.00
" Bride, Bridesmaid.....	4.00@ 6.00
" Extra.....	8.00@12.00
" Liberty.....	1.00@ 8.00
Carnations.....	1.50@ 2.00
" Fancy.....	2.00@ 3.00
Lily of the valley.....	2.00@ 3.00
Smilax.....	12.00@16.00
Adiantum.....	1.00
Asparagus.....	35.00@50.00
Violets.....	.35@ .50

PHILADELPHIA, March 22

Roses, Tea.....	4.00@ 6.00
" " extra.....	8.00@10.00
" Liberty.....	6.00@20.00
" Queen of Edgely, extra.....	20.00@35.00
" " firsts.....	10.00@15.00
" Beauty, extra.....	20.00@35.00
" " firsts.....	10.00@15.00
Carnations.....	1.00@ 4.00
Lily of the valley.....	2.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	12.00@15.00
Violets, single.....	.25@ .40
" double.....	.30@ .50
Adiantum.....	.75@ 1.50
Gardenias.....	.12@ .15
Mignonette.....	3.00@ 5.00

BUFFALO, March 22.

Roses, Beauty.....	2.00@35.00
" Bride, Bridesmaid, Meteor.....	2.00@10.00
Carnations.....	1.00@ 4.00
Harrisli.....	10.00@15.00
Lily of the valley.....	2.00@ 4.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00
Adiantum.....	.75@ 1.50
Lilium Longiflorum.....	10.00@15.00
Violets.....	.20@ .50

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS
and Florists' Supplies.

228 Diamond St.,

PITTSBURG, PA.

Send for weekly price list and prices on large orders..

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,
FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

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128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at
Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

IMPERIAL FLORIST CO.,

14 Washington Ave. N.,
Minneapolis, Minn.

WILL OPEN BUSINESS APRIL 15th.

Consignments Solicited. We are in a position to give prompt and liberal returns to all.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

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Wholesale Commission Florists

CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
FANCY CARNATIONS, TULIPS, DAFFODILS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

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Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

38-40 Miami Ave. DETROIT, MICH.

BERGER BROS. WHOLESALE FLORISTS.

Bell and Keystone 'Phones. 1220 Filbert Street, PHILADELPHIA.

Please mention the American Florist when writing.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

Always mention the American Florist when you order stock.

THE RELIABLE Commission House,

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Telephone 325 Madison Sq.

YOUNG & NUGENT42 West 28th Street, Wholesale Florists.
Telephone 2085 Madison Sq.

CATTLEYAS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

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American Beauties, Orchids, Roses,
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Open every day at 6 a. m.

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Wholesale Commission Florists,

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Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

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JOHN YOUNG,Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all Seasonable Flowers.51 West 28th St., NEW YORK.
Telephone 1906 Madison Square.

Original Pioneer House—Established 1871.

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Wholesale and CommissionConsignments solicited. Shipping orders
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John I. Raynor,Are the best product of the best growers
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ADIANUM CROWEANUM sold here exclusively.

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Tel. 1998 Madison Square.**Walter F. Sheridan,**

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20 years' experience.

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OPPOSITE N. Y. CUT FLOWER COEverything in Cut Flowers. Consignments
from growers solicited. Prompt returns. Best
prices. Satisfaction guaranteed.

Choice Carnations.

Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.**Wholesale Flower Markets**

New York, March 21.

Roses, Beauty, best.....	10 00@15.00
" " medium.....	3 00@10.00
" " culla.....	1 00@ 2.00
" " Liberty, best.....	10.00@15.00
" " medium.....	3 00@10.00
" " culla.....	1 00@ 2.00
" " Bride, Bridesmaid, G. Gate. 1 00@ 6.00	
" Kaiserin, Carnot.....	1.50@ 5.00
Carnations.....	.75@ 3.00
" " fancy and novelties.....	3 00@ 5.00
Lily of the valley.....	1 00@ 2.00
Lilies.....	4 00@ 8.00
Smilax.....	8 00@12.00
Adiantum.....	.50@ .75
Asparagus.....	20.00@50.00
Tulips.....	1.00@ 2.00
Violets.....	.15@ .25

Charles Millang

WHOLESALE FLORIST.

Conservatory connected from which I can ship
ferns and decorative plants promptly.

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Tel. 3860 and 3861 Madison Square.

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Consignments Solicited.

A. L. YOUNG & CO., Wholesale
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Julius Lang

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COMMISSION DEALER in FLOWERS

TELEPHONE 280 MADISON SQUARE.

The Only House Handling the **Victory**
NEW RED CARNATION
To be Disseminated 1906. Also a Complete
Line of **Choicest Flowers.****ALEX. J. GUTTMAN, WHOLESALE**
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Open for Cut Flower Sales at 6
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CONSIGNMENTS SOLICITED.

Prompt Payments.

Established 1881.

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Telephone 3924 Madison Sq

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Telephone 421
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.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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241 Massachusetts Ave., INDIANAPOLIS, IND.
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MILWAUKEE, WIS.

Will take proper care of your orders in

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Established 1857.

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High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Mail, telegraph or telephone orders filled promptly in best style.

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THE LEADING FLORISTS OF THE N. W.

Orders will be well cared for anywhere in Minnesota and the Dakotas.

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Corner Wabash Ave. and Monroe St. CHICAGO.
Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in every shape executed with care and despatch.
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High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

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Paper White Narcissus and
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\$2.00 per hundred, in any quantity.

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Cut Flowers, Floral Designs, Decorations.

Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.

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EXCLUSIVELY WHOLESALE.

REQUESTS from the trade for designs or cut flowers to be delivered at short notice in, or near Mobile or New Orleans, when made through us, will be executed with fresh stock by our retailers (Miss Maria Minge, Mobile; Mr. U. J. Virgin, New Orleans), and satisfaction guaranteed. Only high-class orders accepted.

Address all telegrams at our expense to

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Reference, Messrs. R. G. Dun & Co.'s Agency.

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A Daily Shipment From 40 to 60 Growers

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We carry the most
Complete Line of
General Florists'
Supplies in the
West. Illustrated
Catalogue free.

Telegraph at our
expense for latest
quotations on any
Cut Flower Sup-
plies.

Specials for the Coming Week:

FANCY HUDSON RIVER DOUBLE VIOLETS.
HOME-GROWN SINGLE VIOLETS.
Pink and White and White SWEET PEAS.

We are Manufacturers of "PERFECT SHAPE" Brand Wire Work.
Used generally by Florists who want "Frames that will Stand Up."
Illustrated list with discounts free. : : : : :

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CURRENT PRICES.

For Week of March 23th to 30rd, 1905.

Roses.		Per dozen.
American Beauty, 30 to 36 ins.	\$5.00 to \$6.00
" 24 inches	.....	4 00
" 20 inches	.....	4 00
" 15 inches	.....	3 50
" 12 inches	.....	1 50
" Short	.....	.75 to 1.00
Bride, Bridesmaid, Gate	.....	3.00 to 8.00
Roses, Our Selection	.....	5 00
Liberty	.....	12 00
Chatsenay	.....	4.00 to 16.00

Carnations.

We handle all leading varieties.		Per 100
Fancy	.....	\$3 00
Good Average	.....	1.50 to 2.00
Fair Stock, for bargain sales (Our Selection) Per 100, \$10.00		
Valley	.....	2.50 to 3.00
Violets	.....	.40 to .75
Callas	.....	8 00 to 12.00
Paper Whites, Romans	.....	3 00
Harrisli	.....	10 00 to 12 00
Tulips, Jonquils, Daffodils	.....	2.00 to 4 00
Sweet Peas	.....	.75 to 1.00
Mignonette	.....	.40 to .75
Asparagus Plumosus, per string	.....	.25 to .50
Asparagus Plum. Sprays, per 100	.....	2.00 to 5 00
Asparagus Sprengerii per 100	.....	2.00 to 5 00
Common Ferns, per 100	.....	2.50
Galax Leaves, Bronze, per 100	.....	1 00
" Green	.....	1 00
Green Leucothoe Sprays, per 100	.....	.75; Red, 1 00
Adiantum	.....	1 00 to 1.25
Smilax, per dozen	.....	1.50 to 2.00
All prices subject to change without notice.		

Wietor Brothers, 51 Wabash Avenue, CHICAGO.

WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem	\$5 00
30-inch stem	3 00
24-inch stem	2 50
20-inch stem	2 00
18-inch stem	1 50
12-inch stem	1 25

ROSES.

ROSES.		Per 100
Bride and Maid.....		\$4.00 to \$8.00
Meteor and Gate.....		4.00 to 8 00
Liberty		6.00 to 10 00
CARNATIONS—Good stock.....		1.50
“ Large and fancy.....		3.00

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Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

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The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also

THE INTERNATIONAL HORTICULTURAL TRADE JOURNAL.

Published quarterly. Both mailed post free for one year for One Dollar.

—PUBLISHERS:—

**THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.**

Now is Time to Sow

The New Hybridized Giant-Flowered
OBCONICA PRIMROSES

—AS—

CARMINE, PURPLE, VIOLET. Per 1000 seeds, \$1.00; trade packet, 50c.

Compacta.

A fine potter, per 1000 seeds \$1.50; tr. pkt., 50c.

Buttercup Primrose Grandiflora.

Per 1000 seeds, \$1.00; tr. pkt., 50c.

The above offered Strain, is unquestionably the Best. Guaranteed true, and new crop.

BABY PRIMROSE, per 1000 seeds, 50c; trade packet, 30c. **PEPPERMINT**, per 1000 seeds, 75c.

O. V. Zangen,
HOBOKEN, N. J.

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Seed Bags FOR THE TRADE

We manufacture a full line in Manila, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

—THE—

Brown Bag Filling Machine Co.
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1904 NEW CROP Asparagus Seed

Per 100 Per 1000

Plumous Nanus	\$.55	\$4.00
Robustus85	7.50
Sprenger.....	.15	1.00

We are headquarters for all the best flower seeds; 100 page catalogue free.

Moore & Simon, Seed Growers,
207 Market St., PHILADELPHIA, PA.
Please mention the American Florist when writing.

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For the Wholesale Trade.

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SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
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Please mention the American Florist when writing.

**BURPEE'S
SEEDS
PHILADELPHIA.**

Wholesale Price List for Florists and Market Gardeners.

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BERMUDA Harrisii Bulbs

THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. * * *

CHAS. A. V. FRITH,
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CARL BECK & CO.

SEED MERCHANTS AND SEED GROWERS.

QUEDLINBURG, (Germany.)

**Mangel Wurzel and Sugar Beet Seeds
A SPECIALTY.**

We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

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HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of **HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc.** We further ask your attention to our superior quality and special prices of **FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC.** Ask quotations from our traveler.

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

**LEONARD
SEED**

Write for Prices.

WE ARE

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Flower Seeds
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Bulbs

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**WHOLESALE
SEED GROWERS**

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. **Beans, Peas and Garden Seeds.** WRITE FOR PRICES.

CHICAGO.

Peacock's Dahlias.

Send for beautifully illustrated descriptive catalogue and trade list for 1905, Now Ready.

L. K. PEACOCK, Inc.,

Atco, N. J.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June, 1905.

LYNN, MASS.—At the last meeting of the Houghton Horticultural Society, held March 6, J. W. Duncan, assistant superintendent of the Boston parks, delivered an address on shrubbery.

SPOKANE, WASH.—The Spokane Horticultural Society at the last meeting enrolled thirty new members. Resolutions were adopted asking the county commissioners to appropriate \$7,000 as Spokane county's share toward the state horticultural exhibit at the Lewis and Clark exposition.

To Destroy the Rose Bug.

ED. AMERICAN FLORIST:—

What effective remedy may be applied to rose bugs which are attacking my hydrangeas and maples?

G. J.

The rose bug, *Macrodactylus sub-spinosus*, is perhaps one of the most irrepressible of insect pests. They are much worse on light, sandy soil than on stiff clay soil, for the reason, perhaps, that when the beetle lays its eggs in the surface of the ground before it disappears about the end of June or first of July, and the larva emerges, it feeds on the roots of grass and other plants, and at the approach of cold weather it descends into the ground beyond the reach of frost.

In the spring it comes near the surface and pupates, and the voracious beetle goes forth on its mission of destruction about the end of May or

first of June. Hence, in heavy, stiff soil, it is difficult, and perhaps impossible, for it to dig its way down. We have tried all sorts of remedies, but with only partial success. The best I have found so far is Ivory soap, which, by the way, I find to be a most excellent insecticide for general use, at the rate of from one-half pound to one pound boiled and dissolved in twelve gallons of water and applied by a spray pump. This kills it by contact, but it has to be frequently repeated, as other beetles will keep up the attack.

Ivory soap never seems to scorch or injure any kind of foliage, whereas, whale oil soap, strong enough to be effective, will often injure foliage, owing, I suppose, to different brands being in the market. The rose bugs can be much reduced by jarring them into a convenient receptacle, and throwing them into a vessel with kerosene. What we really need as a sure defence against it is some application that can be easily and quickly applied with perfect safety to the different plants it attacks, and compel it to avoid them, but up to the present, the writer has not yet found this.

J. D.

Cleveland.

The Lenten slump has arrived in first-class working order, nothing doing, and stock accumulating like bugs on an aster plant in August. Carnations are the greatest sufferers, splendid flowers going for nothing or nearly so if you consider five to ten dollars a thousand anything. They have to be extra fancy to bring \$2 per 100. Roses are not quite so bad but nearly so, \$8 per 100 will buy the cream and any quantity can be bought for half that price. The slump is partly due to the fine weather we have had for some time past which has rushed the crops along. There is a strong possibility that prices will stiffen later, per-

haps before these notes appear in print, affairs will have changed as the plants cannot stand such heavy cutting so early in spring and not suffer. Strangely enough bulbous stock is moving fairly well especially tulips and daffodils.

Not so many Crimson Ramblers are being grown for Easter this year as last but more lilies and azaleas are being handled. The chances are that bulbous stock will be rather scarce. The warm weather and Easter being so late are two forces which will probably unite to create a shortage.

ECHO.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted for growing this line as *Acoemone*, *Aster*, *Campanula*, *Delphinium*, *Funkia*, *Hemerocallis*, *Hepatica*, *Icarvillea*, *Iris*, *Peonies*, *Phlox decussata*, and *sufruticosa*, *Primula*, *Pyrethrum*, *Tritoma*, *Hardy Heath*, *Hardy Ferns*. Also 5 acres Daffodils, 12 acres Conifers, (specially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

GREAT BARGAINS

In Shrubs and Roses.

400,000 Roses, 2-inch pots.
Hydrangea P. G., 3 to 4 feet..... \$9.00 per 100
" " 2 to 3 feet..... 6.00 per 100
500,000 Privet, prices on application.
Clematis Pan., 2 years..... 6.00 per 100
50 000 Field-grown Phlox.
30,000 Roses, 4-inch pots.

— Send for Surplus List. —

The ELIZABETH NURSERY CO.
Elizabeth, N. J.



THE PIN OAK—As a Street Tree.

ANDORRA'S PIN OAKS

TO THE TRADE ONLY:

This spring we will move a block of Pin Oaks that have been twice transplanted. In good roots, stems, caliper and tops, they will please critical buyers.

Special Price for March and April Orders.

	Per 10	Per 100
6 to 7 feet.....	\$ 6.75	\$32.00
7 to 8 feet.....	8.00	40.00
8 to 9 feet.....	10.00	44.00
9 to 10 feet.....	14.00	48.00
10 to 12 feet.....	18.00	60.00

The above prices are the lowest at which a No. 1 grade has ever been offered. These trees are absolutely first-class.

Not less than 10 trees at the 10 rate, 25 trees at the 100 rate. Packing additional. ORDER NOW. Usual catalogue terms and conditions.

Andorra Nurseries,

WM. WARNER HARPER, Proprietor,

CHESTNUT HILL,

PHILADELPHIA.

700,000 Cal. Privet

	Per 100	1000
3 yrs., 2 1/4 to 3 ft., extra heavy.....	\$3.25	\$28.10
3 yrs., 2 to 2 1/4 ft., well branched.....	2.50	23.00
3 yrs., 18 to 24 in., ".....	2.00	15.00
3 yrs., 12 to 18 in., 4 to 8 branches.....	1.50	10.00
2 yrs., 3 1/4 to 4 ft. very heavy.....	3.00	25.00
2 yrs., 2 1/4 to 3 ft., well branched.....	2.25	18.00
2 yrs., 2 to 2 1/4 ft., ".....	2.00	15.00
2 yrs., 2 to 2 1/4 ft., 3 to 6 branches.....	1.50	10.00
2 yrs., 18 to 24 in., 5 to 8 ".....	1.50	10.00
1 yr., 14 to 20 in., 2 to 4 ".....	1.25	7.00
1 yr., 10 to 14 in., 1 to 2 ".....	1.00	5.00
Cuttings, strong.....		.75
Tree form, 3 yrs., heads 4 to 5 feet.....	25c	each

All the above plants have been transplanted and out back except one year which makes them a clean, good stock. Parties wanting 5,000 or over, will write and get better rates.

River View Nurseries

J. H. O'HAGAN.

LITTLE SILVER, N. J.

Please mention the American Florist when writing.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis, 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

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Mt. Hope Nurseries, Rochester, N. Y.

Drawer 1044 V Established 65 Years.

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Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,

ROCHESTER, N. Y.

Please mention the American Florist when writing.

W. van Kleef & Sons,

Wholesale Growers of all kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

PEONIES. Choice White.

Strong divided plants 3 to 5 eyes in quantity.

Festiva Maxima.....	35c
Queen Victoria.....	12c
Golden Harvest.....	20c

Order AT ONCE for Spring Delivery.

Peterson Nursery, 503 W. Peterson Ave., CHICAGO.

C. FRETS & SONS,

Successors to P. Koster & Sons.

Nurseries: BOSKOOP, HOLLAND.

Rhododendrons, Azaleas, Magnolias, Lilacs, pot-grown, Hardy Evergreens, Etc.

Catalogue 1905-1906 Free on Application.

Please mention the American Florist when writing.

ORDER

NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR SPRING SALES

	Each	Doz.	100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	\$.15	\$1.50	\$12.00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3.50	25.00
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
HYDRANGEA, Paniculata Grandiflora, bushy field-grown, 2 1/2 to 3 feet.....		1.50	11.50
Bushy field-grown, 12 to 18 inches.....		1.00	8.00
HYDRANGEAS, Otaksa, Red Branched, Thos. Hogg Dormant, 2-yr old, pot-grown for forcing.....		5.00	35.00
CRIMSON RAMBLERS, strong, 2-year old No. 1.....		2.00	15.00
2-year old, No. 2.....		1.50	10.00
Strong, 3-year old, No. 1.....		2.50	18.00
DOROTHY PERKINS, strong, 2-year old.....		2.50	20.00

	Doz.	100
GRUSS an TEPLITZ, strong, 2-year old.....	\$2.00	\$15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
HERMOSA, strong, 2-year old.....	2.25	16.00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY, grafted, Own roots.....	2.00	15.00
KAISERIN AUG. VICTORIA.....	1.50	10.00
PAUL NEYRON, budded.....	2.50	20.00
LA FRANCE, budded.....	2.00	15.00
Anna de Diesbach, Perle des Blanchés, Capt. Christy, Fisher Holmes, General Jacqueminot, Mad. Gabriel Luizet, Mad. Caroline Testout, Magna Charta, Marshall P. Wilder, Mrs. John Laing, Ulrich Brunner, etc., all at.....	1.50	11.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

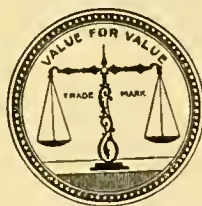
One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.



RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

BAY STATE NURSERIES, North Abington, Mass.



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THE MOON

Company

For Trees, Shrubs, Vines and Your and Small Fruits.

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO. Morrisville, Pa.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100. \$25.00 per 1000. 2 1/4 to 3 1/4 feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

ASK FOR OUR WHOLESALE PRICE LIST ON

Bay Trees

with special discounts. Write now; it might be too late tomorrow.

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Munson Nurseries.

New catalogue now ready. "Can't buy trees right without it." Get it of

T. V. MUNSON & SON, Denison, Tex.

The MUNSON GREENHOUSES. Cut flowers and Bedding Plants for retail trade. WILL B. MUNSON, Denison, Tex.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kliff, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The New York bowlers defeated the Hoboken florists on the former's alleys on Monday, Julius Lang making the top score of 234, and winning the fountain pen presented by Phil. Kessler for the highest score. The players and guests were entertained at supper by the New York club, and a long evening much enjoyed. The scores follow:

NEW YORK.			
Player.	1st	2d	3d
O'Mara	122	167	163
Kessler	152	179	173
Siebrecht	149	135	135
Ford	155	156	129
Fenrich	126	149	128
Lang	150	234	198

HOBOKEN.			
Player.	1st	2d	3d
Hanson	148	142	126
Fisher	105	125	106
Dietz	154	133	143
Mende	108	123	136
Steinhoff	120	92	74
Otte	177	169	157

At Painesville, O.

On Tuesday evening the wholesalers and retailers of the Storrs & Harrison Company rolled three games on Johnson's alleys. The wholesalers won two out of three but lost the match by a margin of 58 pins. The score follows:

RETAILERS.			
Player.	1st	2d	3d
Wheeldon	116	123	114
Rallay	162	147	154
Lynch	180	166	153
Emsley	161	154	163
Advey	173	157	164

WHOLESALEERS.			
Player.	1st	2d	3d
Welch	179	191	203
C. Wetzel	119	118	115
Hallman	126	124	131
Bartlett	145	147	157
Pool	133	189	152

St. Louis.

THE FAKIR QUESTION.

The increased quantity of flowers sent to this market during the last few days seems to be worrying the commission men to some extent. This is probably due to the fact that their plans heretofore have been to unload large quantities of surplus upon the so-called fakirs. These are a well known part and parcel of the outflower business as concerns the disposition of the stock in large cities throughout the country. In St. Louis they have been unable to continue business because the police have orders to prevent them from doing it. Heretofore when a lot of flowers came on, the street was quickly filled with men who bought stock at exceedingly low prices because they took the leavings. The store men were of course handicapped by their business. The criticism offered is that the store man first of all pays high prices for the first-class goods to the extent of his requirements. After he had been served with all he wanted, the fakir came along and sometimes got that same quality of goods for a much lower price. He had no rent to pay; at least nothing more than a nominal price. As a consequence, he was able to sell goods

at one-half the price of the commission man. This caused the action which now prevents the fakir from getting on the street. A further result is that the commission men have large quantities of stock left after the regular dealers have been supplied, and the question will arise among them whether they can dispose of larger quantities to the store men or not. From the standpoint of the law of supply and demand it would seem that the store man, who is a legitimate dealer, should get his stock cheaper, thus enabling him to sell the goods at low prices and probably increase his own sales as to quantity. The commission man on the other hand will claim that the store man cannot or will not use the increased supply. The florists of the city will watch the developments of the matter this spring with considerable interest.

James S. Wilson, of Vaughan's Greenhouses, Western Springs, Ill., was a recent visitor. While here he was elected an honorary member of the Florists' Club.

Lenox, Mass.

The Lenox Horticultural Society held its regular meeting on March 18. President R. A. Schmid was in the chair. The meeting was addressed by W. H. Wyman, of North Arlington, Mass. His topic was, "Landscape Art and Architecture," which was very interesting and led up to a great deal of discussion.

McKEESPORT, PA.—The McKeesport Floral Company has been incorporated, J. H. Orth, John Hodgson, J. M. Johnston and Charles T. Moore being the incorporators. Two new greenhouses, 25x300 feet will be erected.

Seasonable Seeds for Florists' Use.

VAUGHAN'S ASTERS.

"THE CARLSON." The Early Late Variety.

White, Rose Pink, Lavender, Marquis-Pink, Violet-Blue, Daybreak Pink and Mixed. Each, trade pkt., 20c; any 3 for 50c; or per ¼ oz., 30c; oz., \$1.00.

Branching or Semple. Best Late Variety.		Trade Pkt., 10c. ¼ oz.	
White, Rose Pink, Purple, Light-blue,	} 20c. Oz., 60c. Lb., \$6.50.	Trade Pkt. ¼ oz. Oz.	
Lavender, Red, Daybreak pink.		.10 .20 .50	
Mixed.		.10 .20 .65	

Vaughan's Upright White Branching.....	.10	.20	.65
Vaughan's Upright Pink Branching.....	.10	.20	.65

NEW EVER-BLOOMING ASTER "IDEAL."

Best Early Variety.

This new Aster produces, perhaps, more salable cut flowers to a plant than any other kind. The plants grow from 16 to 18 inches high and are in bloom from the beginning of August to the end of September almost uninterruptedly. In shape the flowers resemble the Victoria type, except that the petals are looser so as to give the flowers a very graceful appearance. White, light blue, dark blue, crimson; each, trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.

ASPARAGUS PLUMOSUS NANUS.

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c; 250 seeds, \$1.15; 1000 seeds, \$4.10. Price for larger lots on application.

Southern Outdoor-Grown Seed. Per 1000 seeds, \$3.00; 5000 seeds, \$12.50.

ASPARAGUS PLUMOSUS ROBUSTUS, NEW. 100 seeds, \$1.00; 1000 seeds \$9.00.

DECUMBENS. Fine far Cut. 100 seeds, 50c; 1000 seeds, \$4.00.

COMORENSIS. Like a Plumosus, but grows taller and quicker and is darker in color; splendid far cut. 100 seeds, \$1.00; 1000 seeds, \$7.50.

COBAEA SCANDENS. Trade pkt., 10c; oz., 40c; lb., \$4.00.

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this two per cent.

BALSAM. Alba Perfecta. This is the largest and best double white Balsam, unequalled in doubleness and large size of its camellia-shaped flowers. trade pkt., 10c; ¼ oz., 25c; oz., 75c.

CANDYTUFT. Giant Hyacinth-Flowered. This improved strain is superior to Empress. Trade pkt., 10c; ¼ oz., 15c; 1 oz., 25c; lb., \$2.50.

CENTAUREA. Imperialis, mixed and Alba, pure white, trade pkt., 10c; oz., 50c; lb., \$5.50.

SOLANUM CAPSICASTRUM. Jerusalem Cherry, makes fine plants for Christmas sales, trade pkt., 10c.

VAUGHAN'S CHRISTMAS PEPPER. Sow it now. Pkt., (250 seeds) 25c.

SWEET PEAS.	Oz.	¼ Lb.	Lb.
Best White—Dorothy Eckford.....	.10	.25	.75
Best Lavender—Lady Grisel Hamilton.....	.05	.15	.40
Best Red—King Edward VII.....	.10	.25	.75
Best Pink—Lovely.....	.05	.10	.30
Best Bright Blue—Mrs. Gen. Higginson, Jr.....	.35	.95	3.50
Best Bright Blue—Flora Norton.....	.30	.80	3.00

RADISH. Scarlet Globe, Vaughan's Select stock. Oz., 10c; ¼ lb., 25c; lb., 70c.

LETTUCE. Black Seeded Simpson, Vaughan's Select stock. Oz., 10c; ¼ lb., 25c; lb., 80c. Grand Rapids Forcing. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

EGG PLANT. N. Y. Improved. Pkt., 5c; ¼ oz., 15c; oz., 25c.

TOMATO.	Pkt.	¼ oz.	Oz.
Earliana.....	.10	.25	.40
Early Michigan.....	.10	.15	.25
Cream City.....	.10	.15	.25
Dwarf Champion.....	.10	.15	.20
New Stone.....	.10	.15	.25

CELERY. White Plume..... .10 .15 .25
Snow White..... .10 .15 .25

CABBAGE. Early All Head. Oz., 20c; ¼ lb., 60c.

VAUGHAN'S SEED STORE,

NEW YORK, 14 Barclay Street.

84-86 Randolph Street, CHICAGO.

Carnations

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise, Peru.....	1.00	9.00
RED.		
Estelle.....	2.50	20.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
PINK.		
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Enchantress.....	3.00	25.00
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay, Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00
Liberty.....	5.00	45.00

	Per 100	Per 1000
La Detroit.....	\$ 6.00	\$50.00
Uncle John.....	4.00	35.00
Kaiserin.....	4.00	30.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory, Perle.....	3.00	25.00

AM. BEAUTY BENCH PLANTS, per 100.....\$6.00; per 1000.....\$50.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

The King of All Scarlet Carnations

ROBERT CRAIG (Ward)

Will Not Be Disseminated Till 1906. : : :
First Delivery Commencing December 1, 1905.

THE IDEAL CHRISTMAS CARNATION.

A Genuine Non-Bursting Scarlet Lawson.
JUST THE COLOR OF THE HOLLY BERRY.

Send your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspection variety does not prove satisfactory. PRICES: \$2.50 per doz.; \$12 per 100; \$100 per 1000; 2,500 lots at \$95 per 1000; 5,000 lots at \$90 per 1000; 10,000 lots or more at \$80 per 1000

C. W. WARD, COTTAGE GARDENS CO. Inc., Queens, N. Y.
Originator.

Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE.
American Carnation Society, 92 points.
SPECIAL DIPLOMA.
American Institute of New York.
FIRST-CLASS CERTIFICATE OF MERIT.
Massachusetts Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
Pennsylvania Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
New York Florists' Club, 93 points.
CRAIG CUP for best undisseminated seedling.
Philadelphia.
C. HARTMAN KUHN SPECIAL PRIZE
for best undisseminated seedling. Philadelphia.
FIRST PRIZE best 100 scarlet. Chicago.
FIRST PRIZE best 50 scarlet seedling. Chicago.

NEW CARNATION William Penn

A very pleasing salable shade of pink. I have grown it for five years and it gave me more good salable flowers than any other variety up-to-date.

Should be planted by every grower of out flowers if he wants a continuous cut of flowers the whole season. Every shoot a flower. I will mail 25 well-rooted cuttings free of charge for \$2.50; \$10 per 100; \$75 per 1000. 250 for \$18.75. 10,000 cuttings now ready. All orders filled promptly.

FRANK L. KOHR, Lancaster, Pa.
—R. F. D. No. 3—

My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White. : : : : :

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white.

We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

CARNATION CUTTINGS.

THE BEST. NOW READY.

WHITE.	Per 100	1000
Lady Bountiful.....	\$6.00	\$50.00
White Lawson.....	6.00	50.00

SCARLET.		
Crusader.....	5.00	40.00
Cardinal.....	12.00	100.00

CRIMSON.		
Harlowarden.....	2.00	15.00

PINK.	Per 100	1000
Enchantress.....	\$3.00	\$25.00
Mrs. Lawson.....	2.00	15.00

VARIEGATED and FANCY.		
Mrs. M. A. Patten.....	6.00	50.00
Marshall Field.....	3.00	25.00
Prosperity.....	2.00	25.00

Chicago Carnation Co.
JOLIET, ILLINOIS.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000
The Queen.....	\$2.00	\$15.00
Estelle.....	2.00	15.00
Flamingo.....	3.00	25.00

E. H. BLAMEUSER, Niles Center, Ill.

Rooted Cuttings.

PREPAID, per 100. Ageratum, S. Gurney, 50c. Alternanthera, best red and yellow, 50c; \$4.00 per 1000. Coleus, best bedders, 60c. Fuchsias, Tropaeae and other good sorts, \$1.00. Salvia, Splendens, Bonfire, 90c. Heliotrope, blue, \$1.00. Petunias, 10 best sorts, \$1.00. Alternanthera, best red, fine, 2-inch, 2 cts. Cash.

BYER FLORAL CO., Shippensburg, Pa.

Newport, R. I.

TRADE LESS BRISK.

We have had steady, pleasant cold weather for the whole of March thus far; the glass at night averaging about 18° above, and during the day it has never yet warmed up in good shape. Such conditions have slackened business very much with the seedsmen. Our florists have had a nice lot of business the past week; among other orders there was a fine trade for the St. Patrick's day holiday.

NEWPORT HORTICULTURAL SOCIETY.

A special meeting of the Newport Horticultural Society was called for Wednesday evening last, and the largest attendance of the winter resulted. The important matter before the society was the question of where and when the exhibitions for the coming season should be held. Some favor the plans of past seasons; others want a large summer show in the Newport Casino, which shall be made a social function in the summer's entertainments. The discussion of this matter was unfinished when the hour of adjournment arrived; so it was agreed to meet again Wednesday evening, April 5, and finally formulate some fixed policy. Eight names of prominent gardeners were proposed for active membership.

NEWS NOTES.

The park commissioners held a special meeting last week, and after examining the bids for the care of the parks, under the new specifications, it was voted to award the contract to Eugene F. Hughes, the old contractor, at \$3,200. The contract calls for the care of all parks, squares, burial grounds, and the bath house and beach at King park, also the planting of all bulbs and plants.

A falling derrick came within an ace of seriously injuring James Matson, head gardener to William Grosvenor. Mr. Matson, while badly shaken up and painfully bruised, is again about.

John Robert Clarke, who recently severed his connection with the George A. Weaver Company, has established himself as a landscape gardener at 33 Dale street, Roxbury (Boston).

William Neil Campbell has been here for several days in the interest of Vaughan's Seed Store.

Among the visitors this week were Mr. Bryant, of A. H. Hews & Company, North Cambridge, Mass; Henry C. Anthony, of Portsmouth, R. I. X.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its regular meeting March 1. One new member was elected. H. F. Meyer, superintendent for G. R. Sheldon read a very interesting paper on the growing of mushrooms. The first carnation exhibition of the society was held. Some fine flowers were shown. Special mention was given to W. Wilisen, gardener to H. F. Noyes, for sport from Enchantress. Also to F. Boulon, for sport from Lawson. Many others were represented, including F. Mense with his white seedling, Dosoris.

S. T.

SHELBYVILLE, IND.—Willis F. Law has sold out the business and stock of the Law Floral Company to L. S. Limpus and Jonathan Tenant.

Carnations

Rooted Cuttings
Ready Now except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000. Strong plants from soil.

	Per 100	1000		Per 100	1000
Albatross, white.....	\$5.00	\$40.00	Indianapolis, pink.....	\$5.00	\$40.00
Boston Market, white.....	3.00	20.00	Morning Glory, light pink.....	2.00	18.00
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, pink.....	3.00	25.00
Crisis, new scarlet.....	12.00	100.00	Mrs. Joost, pink.....	1.75	15.00
Crusader, red.....	5.00	40.00	Mrs. Patten, variegated.....	6.00	50.00
Dahelm, crimson.....	6.00	50.00	Nelson Fisher, deep pink.....	6.00	50.00
Dorothy Whitney, yellow.....	5.00	40.00	Prosperity, fancy.....	3.00	25.00
Eclipse, Dornier's pink.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Enchantress, light pink.....	4.00	30.00	Red Lawson, new red.....	10.00	75.00
Estelle, scarlet.....	3.00	25.00	Richmond Gem, new scarlet.....	10.00	75.00
Flamigo, scarlet.....	6.00	50.00	The Belle, white.....	6.00	50.00
Flora Hill, white.....	1.75	15.00	Vesper, white.....	5.00	40.00
Genevieve Lord, light pink.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
Gov. Wolcott, white.....	2.50	20.00	White Cloud, white.....	1.75	15.00
Harlowarden, crimson.....	2.50	20.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

WE ARE STILL BOOKING ORDERS FOR OWN ROOT
PLANTS OF THE NEW ROSE.

Wellesley

We have a very fine lot in 2½ inch pots at \$25.00 per 100.

Having decided to increase our planting of

WELLESLEY

We have several thousand first-class grafted BRIDES and BRIDESMAIDS in 2½-inch pots, which we intended for our own use and which are now offered for sale at \$10.00 per 100.

—1000 Rates on Application.—

WABAN ROSE CONSERVATORIES,
NATICK, MASS.

JOHN N. MAY, - - - Summit, N. J.

ROSES.

Now is the time to place your orders and insure getting good stock for planting.

JOHN N. MAY,
Summit, New Jersey.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

ROOTED CUTTINGS.

Fine, Clean, Healthy Stock. Satisfaction
Guaranteed.

ROSES.

	Per 100	Per 1000
BRIDESMAID.....	\$1.50	\$12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

RED	Per 100	Per 1000
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
PINK		
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.00	9.00
MRS. JOOST.....	1.25	10.00
GENEVIEVE LORD.....	1.25	10.00
ENCHANTRESS.....	3.00	25.00
LIGHT PINK		
HIGINBOTHAM.....	1.00	9.00
WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.25	10.00
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	9.00
VARIEGATED		
M. A. PATTEN.....	5.50	45.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and
standard sorts.

Wm. Swayne, Box 226,
Kennett Square, Phila.

500,000 VERBENAS —60— VARIETIES

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....	60c per 100; \$5.00 per 1000
Plants, 2 1/4-inch pots.....	\$2.50 per 10; \$20.00 per 1000

300,000 CARNATIONS Rooted Cuttings Clean and Healthy. : : : :

CRISIS, New Commercial Society.....	Per 100	Per 1000	Per 100	Per 1000
Mrs. Patten.....	\$6.00		Flamingo.....	\$6.00
Judge Hindsdale.....	4.00		Dorothy Whitney.....	3.00
Lady Bountiful.....	5.00		Golden Beauty.....	3.00
Wm. Scott.....	\$1.25	\$10.00	Mrs. Lawson.....	\$2.00
Florida.....	1.25	10.00	Adonis.....	2.50
Lorca.....	1.25	10.00	Harry Fenn.....	2.00
Eldorado.....	1.25	10.00	Gov. Roosevelt.....	1.50
Mrs. Joost.....	1.25	10.00	Mrs. P. Palmer.....	1.25
Enchantress.....	3.00	25.00	The Queen.....	2.50
			Buttercup.....	\$3.00
			Prosperity.....	2.00
			Mrs. J. H. Manley.....	2.50
			Mrs. E. A. Nelson.....	\$1.50
			White Cloud.....	1.50
			Flora Hill.....	1.25
			Portia.....	1.25
			Queen Louise.....	1.25
			Dorothy.....	1.25

60,000 GRAFTED ROSES For Forcing----Finest Grown.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$ 2.00 per 100	3 1/4-inch pots, per 100.....	\$18.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100.....		10.00
3 1/4-inch pots per 100.....		15.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.



Roses.

2 1/4-in. pots, strong plants.

MAID, BRIDE, WHITE COCHET, \$2.50
per 100; \$20.00 per 1000.

GATE and IVORY, 3-inch pots, \$5.00 per
100; \$40.00 per 1000.

AMERICAN BEAUTIES, 2 1/4-inch pots,
\$5.00 per 100; \$40.00 per 1000. 3-inch pot
plants, \$6.00 per 100; \$60.00 per 1000.

AMERICAN BEAUTIES, strong, two-year
old, 5-inch pots, good for Easter, \$25.00
per 100.

COCHET, pink and white, 4-inch pots,
\$15.00 per 100.

BRIDES and MAIDS, 4 1/4-inch pots,
strong busy plants, \$17.00 per 100.

CHAS. W. REIMERS,

Hite and Field Avenues,
LOUISVILLE, KY.

VICTORY

To Be Disseminated 1906.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

PLACE YOUR ORDERS FOR ROOTED CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
WHITE LAWSON.....	\$5.00	\$50.00	HARRY FENN.....	\$2.00	\$20.00
NELSON FISHER.....	6.00	60.00	GOETHE, light pink.....	2.00	20.00
MRS. PATTEN.....	6.00	60.00	GENEVIEVE LORD.....	1.50	15.00
ENCHANTRESS.....	3.50	30.00	MANLEY.....	3.00	25.00
PROSPERITY.....	2.50	20.00	MACEO.....	1.50	15.00
THE BELLE.....	6.00	60.00	CERVERA, variegated.....	1.50	15.00
LADY BOUNTIFUL.....	6.00	60.00	LAWSON.....	2.00	15.00

5 per cent discount for cash with order.

ALEX. J. GUTTMAN, 52, New York City.

Please mention the American Florist when writing.

Toronto.

LENT CAUSES QUIET.

The Lenten season is having its effect on business and sales have fallen considerably. Stock of all kinds is overplentiful and in large quantities can be had at low figures. It was expected that St. Patrick's day would relieve the market to some extent, but shamrock was the only article in demand. There were a few good baquets, and though a number of flowers were called for, green was the prevailing color and the other stock used did not make much impression on the general supply. Carnations are in unlimited quantities and fancies only having the call, though white are short in supply. Bulbous stock suffers from the oversupply and there is a glut on all sides.

NOTES.

The retailers are having quite a hubbub among themselves. At a recent funeral one of our progressive storemen headed the funeral procession with wagons containing the floral offerings and had them placarded with his name in good sized letters.

Owing to the lateness of Easter the bulb growers are dubious as to the quantity of stock which they will be able to hold over and are predicting a shortage.

Wm. Fendley, of Brampton, was a visitor. At present he is cutting quantities of violets, but hardly expects them to hold over for Easter.

Thomas A. Plumb reports good business and finds considerable work in looking after both the store and his lately acquired greenhouses.

A. Houle has gone to Buffalo to attend the funeral of his sister-in-law.

H. G. D.

Nashville, Tenn.

From present indications and the very fine weather, as well as from the constant and ever increasing demand for flowers in this city, there will be considerable building and enlargement of capacity among the florists in and around this city this season. Beyond repairing and overhauling their flower plant, Joy & Son will make no special additions. D. McIntyre & Brother, who already have quite an extensive range of houses, will in the coming summer add 10,000 or 12,000 square feet of glass, put in new boilers, and equip themselves for their large and growing trade. Messrs. Geny Brothers will add two more houses 25 x 150 feet and a forcing house. The smaller concerns, Mount Olivet cemetery, Haury Brothers and the Centennial Park Company, will make small additions.

The funeral of United States Senator Wm. B. Bate, which took place Monday, called for all the flowers obtainable, and some very elegant floral tributes were upon or around the casket.

Geny Brothers made a large and elaborate pall, as a token of remembrance from the Tennessee legislature.

Since the agreeable change in the weather violets are coming in, in the greatest profusion. M. D.

OAKLAND, CAL.—An annual floral fete has been planned, for the benefit of the charitable institutions of the city, to be held early in May each year.

FINE
STRONG
HEALTHY
CUTTINGS
ARE

Palmer's RED
LAWSON

SOLD AT
\$10.00 per 100
40.00 per 500
75.00 per 1000
ORDER at ONCE

W. J. PALMER & SON, Lancaster, N. Y.

EARLY STRUCK PLANTS

OF EARLY 'MUMS

Ivory, Opah,
Lady Fitzwygram, Polly Rose,
Mme. Bergman, Glory of Pacific,
Moorovia, Wm. Simpson.
Omega.

\$2.50 Per 100

For complete list of new and old varieties send for Catalogue.

CARNATIONS. Sturdy Little Pot Plants

Per 100	Per 100	Per 100
Boston Market.....\$2.50	The Queen.....\$3.00	Mrs. Joost.....\$2.50
Gov. Wolcott.....3.00	Geo. H. Crane.....2.50	Morning Glory.....2.50
Indianapolis.....4.00	Glacier.....2.50	President McKinley.....2.50
Mrs. E. A. Nelson.....2.50	Lorna.....2.50	White Lawson.....7.00
Mrs. Lawson.....2.50	Floriana.....2.50	Cardinal.....12.00

Send for prices on large lots.

Per 100	Per 100
Dracaena Indivisa, 2½-inch.....\$3.00	SMALL PALMS from 2½-inch pots. Per 100
3-inch.....4.00	Kentia Belmoreana.....\$6.00
Boston Fero, 2½-inch.....3.00	Areca Lutesceas.....4.00
Assorted Ferns for Dishes.....3.00	Latania Borbonica.....3.00
	Cocos Weddelliana.....8.00

The STORRS & HARRISON Co. PAINESVILLE, OHIO.

200,000 CARNATIONS

CLEAN, HEALTHY STOCK.

Queen Louise.....\$1.00 \$10.00	Pres. McKinley.....\$1.40 \$12.50
Flora Hill.....1.00 10.00	G. H. Crane.....1.00 10.00
Gov. Wolcott.....1.00 10.00	America.....1.00 10.00
Chicot.....1.20 10.00	Harlowarden.....1.40 12.50
Mrs. Thos. Lawson.....1.40 12.50	Prosperity.....1.40 12.50
Enchantress.....3.50 30.00	Armazindy.....1.00 10.00
Mrs. Joost.....1.00 10.00	Viola Allen.....1.20 11.00
Success.....1.00 10.00	Gaiety.....1.20 11.00

Special prices on large lots. Unrooted plants at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

RICHMOND GEM.

READY NOW. The free blooming scarlet. \$10.00 per 100; \$40.00 per 500; \$75.00 per 1000. Also

Per 100	Per 1000	Per 100	Per 1000
Lawson.....\$1.50 \$12.50		Mrs. F. Joost.....1.25 10.00	
Boston Market.....2.50 20.00		Prosperity.....1.50 12.50	
Queen Louise.....1.25 10.00			

We have some very fine 2-in. Flora Hill and White Cloud, at \$1.50 per 100 to exchange for Heliotrope, Coleus, Moonvine and Alternantheras, Rooted Cuttings.

Keep in touch with "MELODY," the daybreak sport from Lawson.

QUALITY IS OUR HOBBY.

W. C. HILL FLORAL CO., STREATOR, ILL.

CARNATIONS

Fine, strong, healthy, well rooted cuttings. Per 100
Prosperity, Joost, Lawson, Wolcott.....\$2.00
Moonlight.....3.00
BOSTON FERNS 4, 5 and 6-in. pots. Elegant, strong, healthy, well rooted plants from bunch, 15c, 20c and 30c respectively. S. A. Nutt
Carnations, healthy, 2½-in., \$3.50 per 100. Plumosa and Sprenger, 3-in. only, \$4.00 per 100. Above prices cash with order.

JOHN BROD, Niles Center, Ill.

GARDENIA PLANTS.

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex.

ROOTED CARNATION CUTTINGS.

PINK		Per 100	Per 1000
Enchantress.....		\$3.00	\$25.00
Fair Maid.....		2.50	20.00
Alpine Glow.....		2.50	20.00
Lawson.....		2.00	15.00
Nelson.....		2.00	15.00
RED			
Flamingo.....		6.00	
Crusader.....		6.00	
Crane.....		2.00	15.00
Estelle.....		2.00	15.00
WHITE			
Lady Bountiful.....		5.00	
Vesper.....		5.00	
Bride.....		5.00	
Mackinac.....		5.00	
Moonlight.....		4.00	
Queen.....		2.50	20.00
Queen Louise.....		2.00	15.00
Boston Market.....		2.50	20.00
Marion.....		2.00	15.00
MISCELLANEOUS		Per 100	
Judge Hinsdale.....		84.00	
Mrs. Patten.....		6.00	
Prosperity.....		2.50	
Harlowarden.....		3.00	

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

CARNATIONS STRONG ROOTED CUTTINGS.

WE OFFER FIRST-CLASS STOCK OF THE FINEST VARIETIES.

Variegated Lawson. This variety which we are introducing this season we are sure will prove to be the very best variegated sort. Pure ivory white with delicate carmine pencilings. Mr. W. N. Craig, an authority on everything pertaining to horticulture, says that he knows that this variety will outbloom the favorite Mrs. M. A. Patten three to one. It has the Lawson habit and stem, and is bound to give satisfaction. \$12 per 100; \$100.00 per 1000.

Red Lawson. A bright red sport of Lawson that is bound to be popular, and will be grown where Lawson is popular. \$10.00 per 100; \$75.00 per 1000.

Cardinal. Bright cardinal, or crimson scarlet. Won first prize for best 100 scarlet, first prize for best 50 carnations any color, first prize for best 50 scarlet seedling, Chicago. \$12.00 per 100; \$100.00 per 1000.

Fiancee. The queen of pink carnations; in a class by itself. Magnificent flowers; strictly fancy in every respect. \$12.00 per 100; \$100.00 per 1000.

Fred. Burki. Recommended as an extra free-blooming white variety and a claimant for popular favor. \$12.00 per 100; \$100.00 per 1000.

White Lawson. We consider this variety, which we introduced last season, the most profitable white carnation ever sent out. We think it will outbloom any other white two to one. It has given great satisfaction. When the flowers are left on the plants until fully developed they are much larger than Mrs. Thos. W. Lawson. We believe this will occupy among white carnations the same place that Mrs. Thos. W. Lawson does among pink carnations. Remember that we are headquarters for it. Splendid stock ready for immediate delivery. \$7.00 per 100; \$60.00 per 1000.

LADY BOUNTIFUL. A magnificent white of last season's introduction. \$6.00 per 100; \$50.00 per 1000.

DAHEIM. Dark crimson. Grand stiff stem. Calyx never bursts. Free and abundant bloomer, developing very quickly. We consider this the best all-around crimson carnation. \$6.00 per 100; \$60.00 per 1000.

MRS. M. A. PATTEN. This grand variegated

carnation has given splendid satisfaction. \$6.00 per 100; \$50.00 per 1000.

ENCHANTRESS. Freest blooming, bringing highest market prices. \$4.00 per 1.0; \$30.00 per 1000.

MRS. THOS. W. LAWSON. \$3.00 per 100; \$20.00 per 1000.

PROSPERITY. A magnificent fancy carnation. \$3.00 per 100; \$20.00 per 1.00

We are now prepared to book orders for 1906 for THE COMING SCARLET CARNATION... **VICTORY.**

This is a real bread-and-butter variety. An early free and abundant bloomer, with good stem; a magnificent keeper and shipper; flowers of the largest size, commanding the very highest price. This is going to be a money maker. Orders will be filled in rotation, as received. Delivery beginning December next. \$12.00 per 100; \$100.00 per 1000

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, N. Y.

CARNATIONS Rooted Cuttings WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	50.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Macco.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

CRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Please mention the American Florist when writing.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.
JOHN HARTJE

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS

	Per 100	1000
WHITE LAWSON.....	\$6.00	\$50.00
FLAMINGO.....	6.00	50.00
ENCHANTRESS.....	3.00	25.00
THE QUEEN.....	2.50	20.00
CARDINAL, from 2-inch pots.....	12.00	

Larchmont Nurseries, Larchmont, N. Y.

Wm. P. Craig Importer and Exporter.....
Plants, Bulbs and Seeds.
1305 Filbert Street, PHILADELPHIA.

Now Ready.

White Lawson, Flamingo, Nelson Fisher, Crusader.

\$6.00 per 100; \$50.00 per 1000.

The Three Grand New CHRYSANTHEMUMS MAJESTIC, ADELIA and MADONNA.

R. C \$3.00 per doz; \$15.00 per 100
2-in. pots 20.00 per 100

Three Fine SNAPDRAGONS,

Our Giant Pink, a grand White and a fine Yellow.

\$6.00 per 100; \$50.00 per 1000.

The Fine New Pink Rose LA DETROIT.

2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

The New Red General MacArthur.

2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

JOHN BREITMEYER'S SONS, DETROIT, MICH.

CARNATIONS

WM. PENN. A promising pink bloomer ever happened. From soil \$10 per 100; 25 for \$2.50.

Queen Louise, from soil at \$10.00 per 1000.
Floriana, from soil at \$12.50 per 1000.

Big Batch of Cuttings From Land. Ready March 20. Send for March price list.

GERANIUMS

ROOTED CUTTINGS.

Next Delivery April 17. \$10 and \$12.50 per 1000

100,000 Smilax. 50,000 Sprengeri. 50,000 Plumosus and Robustus.

Ready June 1. Send for prices.

ALBERT M. HERR,

Lancaster, Pa.

Louisville.

Last week was very satisfactory in every respect. The thermometer was near the sixty mark all week, and naturally brought stock out very rapidly, but much to our satisfaction. St. Patrick's day brought quite a demand for green stock, and green colored carnations went especially well, and were extensively advertised by some of the locals. Roses are of very good quality, but are a little short in quantity. Carnations are in good demand. Violets of good quality have been heavily demanded, despite the enormous quantities obtainable. Mignonette of good quality can be had in quantities, with the demand good. Bulbous stock of good quality has become a little short, and the demand is brisk. Plants have sold unusually well, owing probably to the warm weather.

William Walker is well satisfied with Mrs. T. W. Lawson carnation and will grow another big lot next year.

Schulz had a blanket for a recent funeral containing about 3,000 violets, also lily of the valley and forget-me-nots.

CARNATION AND ROSE SHOW.

The Kentucky Society of Florists met March 7 at Nanz & Neuner's store, and in connection with the regular meeting, held its regular carnation and rose show, which proved to be a great success. Many states were represented which can be seen from the following: The Chicago Carnation Company, Joliet, Ill., made a grand exhibit of unusual merit, showing nine varieties: The Cardinal, Mrs. Lawson, White Lawson, Dorothy Whitney, Mrs. M. A. Patten, Prosperity, Enchantress, Lady Bountiful and Harlowarden. The J. D. Thompson Carnation Company, Joliet, Ill., made a much admired display consisting of Robert Craig, The Belle, Mrs. M. A. Patten, Nelson Fisher, and Enchantress. The F. R. Pierson Company, Tarrytown-on-Hudson, N. Y., made a display of some good blooms, which were especially admired owing to the long journey they had, the varieties being Victory, Daheim, White Lawson, and Variegated Lawson. Patten & Company, Tewksbury, Mass., exhibited some exceptionally good blooms of Mikado and Pink Patten. R. Witterstaetter, Cincinnati, O., displayed a very good pink one, The Aristocrat, which easily proved a favorite, it being just the shade desired. He also displayed Afterglow. H. Weber & Sons, Oakland, Md., displayed My Maryland. W. J. Palmer & Son, Lancaster, N. Y., showed Red Lawson. John N. May, Summit, N. J., exhibited The Bride. Baur & Smith, Indianapolis, Ind., displayed Flambeau and the ever beautiful Indianapolis. John Breitmeyer's Sons, Detroit, Mich., displayed rose La Detroit, and some large spikes of Antirrhinum (Snapdragon), which were greatly admired. The Indianapolis Flower & Plant Company, and John Hartje, Indianapolis, Ind., displayed Candace, a pretty pink. Peter Reinberg, Chicago, Ill., displayed some very good Uncle John and Sunrise roses. A. Rasmussen, New Albany, Ind., made a good display of Mrs. Lawson, Hoosier Maid, and Enchantress. Davis Bros. Company, Bloomsburg, Pa., showed Crisis and Mary Albert, which were small but good. John E. Haines, Beth-

lehem, Pa., exhibited a red of exceptional merit, the variety being Mrs. John E. Haines, also a yellow, the Star of Bethlehem. Chas. W. Rayner, Anchorage, Ky., showed Bride, Bridesmaid, Ivory and Golden Gate, all very choice roses. Nanz & Neuner showed some very good Ivory roses, as well as many good carnations and other good stock. Charles W. Reimers made a very good display of Daheim, Prosperity, Queen, Flamingo, Enchantress, White Lawson, and some good mignonette. Jacob Schulz exhibited a good lot of seedlings, there being some very promising ones among them. Leo. Zoeller showed very good Mrs. Joost, Mrs. Nelson and Enchantress.

F. L. S.

Reading Character by Face.

A great number of business men when they're hiring an employe from a bunch of applicants, will sit and peer shrewdly into their faces, trying to size 'em up. They pride themselves on being judges of character, and I've heard them say, time and again, "I can pick a good man all right by his face." I have seen so many cases where this has gone wrong that I couldn't begin to think of them all. A boot dealer I knew in Manchester years ago, once hired a man this way. He had an open countenance that could get money from the mint. Anybody would have trusted that fellow on his face, but he started to steal from the till before he'd been in the shop four days. When the bootman came out to look him up, he found that he had done the same thing everywhere he'd worked. His face lied; the most capable liars on earth are human faces. The only way to know a person is to live with him. Every other test fails. He may have the face of George Washington, who never told an untruth, and yet be able to lie in twelve languages.—Footwear.

WANTED....

500 AMERICAN BEAUTY ROSES, from the benches; old plants. Address, stating price.....

WM. SMITH, 1115 West 19th Street, SIOUX CITY, IOWA.
Please mention the American Florist when writing.

—FOR—

BARGAINS

In anything in the way of plants, see GEO. A. KUHLE'S Advertisement in issue March 11th, page 304.



Verbena King

VERBENAS—Rooted cuttings, 60c per 100; \$5.00 per 1000.

SALVIAS—Bonfire and St. Louis, the two best of them all \$1.00 per 100; \$8.00 per 1000.

ALTERNANTHERAS—70,000 red and yellow, Sept. struck, equal to 2 in; these are fine: 60c per 100. \$5.00 per 1000.

HELIOTROPES—The best named varieties, \$1.00 per 100; \$8.00 per 1000.

COLEUS—Thirty named leading varieties, 70c per 100 \$8.00 per 1000.

PETUNIAS—King's Double White, the great bloomer, fine for out flower work, \$1.25 per 100; \$10.00 per 1000.

CUPHEA—(Cigar Plant), \$1.25 per 100; \$10.00 per 1000.

SWEET ALYSSUM—Our big double plant, \$1.00 per 100; \$8.00 per 1000.

LANTANAS—5 best varieties, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings, and guarantee satisfaction and safe arrival. Write for prices on large lots; also send for list of rooted cuttings.

C. HUMFELD, Clay Center, Kan.
The Rooted Cutting Specialist.

Please mention the American Florist when writing.

Carnations. Roses and 'Mums.

We Need Room. SPECIAL OFFER.

	R. C. per 1000	2 1/4-in. per 1000
Enchantress	\$21.00	
Wolcott, Prosperity.....	12.50	\$25.00
Crusader.....	25.00	35.00
White Lawson.....	40.00	50.00
Harlowarden.....	15.00	25.00
White Cloud.....	12.50	25.00
Mary Wood.....	\$2.50 per 100; 12.60	
Mrs. Manley	3.00	20.00
Lawson.....	12.50	25.00

ROSES. 30,000 Chateaufort. 2 and 3 eye cuttings, fine. Rooted cuttings, \$20.00; 2 1/4-in. \$35.00 per 1000. 20,000 2-in. Beauties \$5.10 per 100; \$45.00 per 1000. 10,000 2 1/4-in. Gates, \$3.00 per 100, \$25.00 per 1000; R. C., \$12.50 per 1000.

'MUMS. Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

Please mention the American Florist when writing.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$6.00	\$60.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	5.00	40.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	3.00	25.00
MANLEY.....	3.00	25.00
H. FENN.....	2.50	20.00
FAIR MAID.....	2.50	20.00
QUEEN.....	2.50	20.00

Same varieties from pots 50c more per 100.

BACKER & CO., Billerica, Mass.

Please mention the American Florist when writing.

Red Sport

CARNATION.

The great "Bread and Butter" holly berry red. Early and continuous, sure crop for Christmas. Never splits; strong healthy grower, 2 1/4 to 3 inch flower on long wiry stem that well supports the bloom, an easy doer and an all-around money maker. "Nough said. Price for immediate delivery, 12 for \$1.50, 25 for \$2.50 50 for \$4.00, all postpaid. \$6.00 per 100; \$50.00 per 1000.

QUEEN LOUISE, the standard white, strong healthy well-rooted, \$1.25 per 100, postpaid; \$10.00 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, PURCELLVILLE, VA.
CARNATION SPECIALISTS.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.

S. S. SKIDELSKY, Philadelphia.

Please mention the American Florist when writing.

Rooted Cuttings

PELARGONIUMS, 15 var., \$2.25 per 100.
VERBENAS, 30 var., 60c per 100. \$5.00 per 1000.
HELIOTROPE, 12 var., \$1.00 per 100. \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100 \$10.00 per 1000.
SALVIAS, 6 var., \$1.00 per 100; \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.
DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

THE CARDINAL

Has proved to be the **best scarlet carnation** in the market to-day. Sample blooms shipped from the Chicago Carnation Co., for your inspection at cost price. ❀ ❀ ❀

Rooted Cuttings, now ready: \$12 per 100; \$100 per 1000.

INTRODUCERS: **E. G. HILL, Richmond, Ind.**
CHICAGO CARNATION CO., Joliet, Ill.
S. S. SKIDELSKY, 824 N. 24th St., Philadelphia, Pa.

Please mention the American Florist when writing.

— 70,000 — Blooming Plants for Easter

20,000 Pots of LILIAM LONGIFLORUM, at 12c per bloom.

4,000 CRIMSON RAMBLERS, trained in unique and artistic designs. \$1 to \$25 each.

10,000 AZALEAS, 75c to \$25.00 each.

3,000 HYDRANGEAS, 75c to \$5.00 each.

3,000 SPIRAEAS, \$4, \$5 and \$6 per dozen.

3,000 ROSE PLANTS, \$6, \$9 and \$12 per doz.

RHODODENDRONS, \$1 to \$25 each.

GENISTAS, \$6, \$9 and \$12 per dozen.

METROSIDEROS (Bottle Brush), \$1, \$1.50, \$2 each.

A large assortment of HYACINTHS in pans at \$9 and \$12 per doz.

WISTARIAS, and other blooming Easter plants.

— Cash or reference. —

H. C. STEINHOFF,
West Hoboken, N. J.

Orchids!

Arrived in fine condition CAT'LEYA MENDELII, DENDROBIUM WIRIOANUM, LAELIA ANCEPS and ONIDIUM TIGRINUM UNGULATUM. We also offer a fine lot of well-grown bulbs of CALANTHE VEITCHII.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

Stanley & Co.
SOUTHGATE, ENGLAND.

Cattleya labiata autumnalis, magnificent; leafy dormant, plump and clean plants now arriving. **WRITE.**

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$25.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Cinerarias from Benary's prize show flowers saved, giant-flowered, finest colors and shades, dwarf or semi-dwarf, makes fine selling plants for Easter; 3-in., ready for 5-in. pots, \$4.00 per 100. Cash.

Shellroad Greenhouses, Grange P. O., Balto., Md.

CRISIS

Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \$12.00 per 100; \$100.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Cyclamen

SPLENDENS GIGANTEUM HYBRIDS.

Our well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$4.00 per 100; \$35.00 per 1000.

Satisfaction Guaranteed.

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

SPECIAL OFFER

ROOTED CUTTINGS

Strong, Healthy and Well-Rooted.

	Per 100	1000		Per 100	1000
N. Fisher	\$5.00		Wolcott	\$2.00	\$18.00
Indianapolis	4.00		Lawson	1.25	12.00
Enchantress	2.50	\$24.00	Glacier	1.25	12.00
B. Market	1.75	15.00	Prosperity	1.50	14.00
Estelle	1.75	15.00			

Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD, ILL.

Gold Medal Canna
WEST VIRGINIA.

Dry bulbs, \$3.00 per 100. Started plants April 1, \$5.00 per 100. Stock limited. Speak quick.

GUS. OBERMEYER,
Box 219, PARKERSBURG, W. VA.

Bulbs and Plants.

AUGUST RÖLKER & SONS, 31 Barclay St., NEW YORK, P. O. Box 752.



Dahlias

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeland the leading scarlet cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field grown Hollyhocks true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist,
Box 382, DENVER, COL.

Please mention the American Florist when writing.

BANKRUPT'S SALE

Lansdowne, Pa.

Entire florist and nursery business of W. L. Rementer, consisting of flowers, plants, bulbs, three large greenhouses, stone residence and stable.

For full particulars, address,

EDWIN B. LEWIS, RECEIVER,
LANSDOWNE, PA.,

Or his attorneys

REBER & DOWNS, 1001 Chestnut St., Philadelphia.

100,000 Alternantheras.

STRONG ROOTED CUTTINGS.

Brilliantissima, the best deep red, 75c per 100; \$6.00 per 1000. A. Nana, yellow, 50c per 100; \$4.00 per 1000. P. Major, red, 50c per 100; \$4.00 per 1000. Special prices on 5000 or more.

DAVIS BROS., Morrison, Ill.

For florists' use, spring or fall delivery. We import to order. Let us appraise your wants.

Syracuse, N. Y.

A Syracuse custom which has been a great help to the florists is that of holding openings at millinery stores. During the past week Wheadon & Hencle decorated three stores with palms, ferns, plants and cut flowers. Orchestras are hired to attract the people and the stores are fitted up as if a reception were in progress. Other openings are scheduled for the coming week and all the florists expect to get a chance.

Robert Dunn, foreman for P. R. Quinlan & Company, is in Boston attending the exhibition of the Massachusetts Horticultural Society. He took with him some splendid roses and carnations which the company will put on exhibition. Everything at the Quinlan greenhouses is looking well. As soon as the weather permits a new greenhouse will be built at the Valley range.

Syracuse florists who do not have greenhouses say that they rely upon the advertisements in the AMERICAN FLORIST for anything they may want. They find that the advertisers are reliable and give them good service.

Louis A. Guillaume, of Onondaga valley, carnation grower, was in town a few days ago. He says his Enchantress, Lawson, Marquis and Flamingo are looking especially well.

Bard & Davis are working up a large trade in Geddes and Solvay and find their new greenhouses a profitable venture. Further expansion is probable.

L. G. Colyn, representing the firm of Van der Guyten & Colyn, of Holland, dealers in bulbs, was visiting Syracuse trade last week.

Henry Morris says carnations and plants are the most in demand at present but people are not willing to pay high prices.

The greenhouses of L. E. Marquisee are looking well and his new varieties are thriving splendidly. A. J. B.

Oceanic, N. J.

At the last meeting of the Monmouth County Horticultural Society it was announced who were the winners of the essays on "Rose Culture Under Glass," written by the assistant gardeners. First prize was awarded to Charles Wengert, son of the late Adam Wengert, one-time gardener at Selmar Hess' estate. Charles Wengert is at present employed at the C. N. Bliss estate, Oceanic, N. J. Butterbach superintendent. At the announcement Mr. Wengert expressed his pleasure in receiving the prize, since he is the youngest gardener in the society, being only eighteen years old. Joseph Kennedy received the second prize. He served his apprenticeship of four years at C. N. Bliss' place, under Mr. Butterbach, and is at present employed by Wm. Turner, superintendent of M. C. D. Borden's estate.

Wm. Dowlen was elected vice president in place of A. G. Williams, who resigned the position to take charge of Mr. Bodine's place, Villa Nova, Pa. Fred Anderson read a wonderful article on "Chrysanthemums" from the Delin-
 eator by N. Hudson Moore.

Two vases of Narcissus Empress were exhibited by W. Turner which received 90 and 95 points. The judges of the evening were W. W. Kennedy, James Dowlen and John Kennedy.

B.

COLEUS

ROOTED CUTTINGS

Verschaffeltii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000. Golden Bedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

ACERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Revenal, rooted cuttings, 75c per 100; \$6.00 per 1000.

VINCA VARIEGATA, 3-in. pots, \$5.00 per 100.

FRANK A. PIERSON, CROMWELL, CONN.

SPRING IS HERE.

HARDY PERENNIALS MUST
SOON BE PLANTED.

We have a large stock of the Best Varieties ready to ship. Send a list of your wants for quotations.

NATHAN SMITH & SON, ADRIAN, MICH.

Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Cassiers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000. Extra large plants coming in bud, \$1.00 per 100.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000. Stocks, dbl. white for Easter, \$1 per 100. \$8 per 1000. Daisies, dbl. white, 75c per 100; \$5.00 per 1000. Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000. Salvia Splendens, \$1.00 per 100. Lobelia dwarf blue, \$1.00 per 100. Ageratum, dwarf blue, 60c per 100. Roses Clotilde Soupert, in bud or bloom, 4-inch, \$12.00 per 100.

HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y.

Pansy Plants

Large flowering, 60c per 100; \$2.50 per 1000. Per 100 Aep. Plumosus Nenus, small plants to close 1.75 10 Vars. Ceranulums, 2½ pots and 2-in. pots 3.00 Alternantheras, red and yellow, March 1..... 2.00 10 Vars. Coleus, 2-in. pots, March 1..... 2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Pansies The Jennings Strain.

Fine cold-frame plants in bud and bloom. Finest mixed colors Ready April 1st. Price, \$1.50 per 100. Cash with order.

E. B. JENNINGS, Lock Box 254, SOUTHPORT, CONN.
GROWER OF THE FINEST PANSIES.

GIANT PANSIES.

in distinct colors or mixed. Strong transplanted in bud, \$1.25 per 100. \$10.00 per 1000.

Peonies in fine assortment. Distinct colors named sorts. \$1.50 dozen; \$10.00 per 100; \$90.00 per 1000. Clematis large flowered, red, white and purple, good two-year, home-grown, 25c; \$2.00 per doz.; \$15.00 per 100. Pansiculata, strong, \$1.00 per doz.; \$8.00 per 100. 2½-in. pots, 75c per doz.; \$4.00 per 100.

F. A. BALLER, Bloomington, Ill.

Pansies 100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind That Sell. Per 100, \$2.00; per 1000, \$20.00.

ALBERT A. SAWYER, Pansy Specialist
Successor to Thos. J. Corbrey,
23-33 S. Harlem Ave., OAK PARK, ILL.
Telephone, Harlem 2342.

It is good business policy to mention

The....
AMERICAN FLORIST

When you write to an advertiser.

CHRYSANTHEMUMS Strong Rooted Cuttings and Plants.

EARLY. Yellow.—R. Halliday, Monrovia. White.—Polly Rose, Mme. Bergman, Ivory, Willowbrook, Geo. S. Kalb. Pink.—Glory of Pacific, Pink Ivory Lady Harriet, Montmart.

MIDSEASON. Yellow.—Maj. Bonnapton, Co., Appleton, Yellow Eaton, Peroy Plumridge. White.—Mrs. H. Robinson, Mrs. Weeks, T. Eaton. Pink.—Mlle. Liger, Mrs. Probin. Red.—Black Hawk, Mrs. Coombes.

LATE. Yellow.—W. H. Lincoln, H. W. Rieinan. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000. Plants from 2¼-in. pots, \$2.50 per 100. \$20 per 1000.

These are all good standard varieties. Only strong healthy plants used for stock. All cuttings and plants guaranteed strictly up in quality.

TERMS: Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

ASSORTED FERNS.

\$6.00 per 100, ready for fern dishes.

Hardy Ivies.

2¼-inch pots, plants 4 to 10 inches in height, \$5.00 per 100.

Cannas.

Started plants out of sand, 4 to 10 inches, ready for pots, \$3.00 per 100. Varieties, Queen Charlotte, Mme. Crozy, Alpha n'ie Bouvier, Egandale and Italia. Cash with order please.

C. A. KNAPP,

Chestnut Hill, PHILADELPHIA, PA.

ROOTED CUTTINGS OF EARLY CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

Chrysanthemums Rooted Cuttings NOW READY.

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, \$2 per 100 F. A. Cobbold, Leila Filkins, \$3 per 100. Mrs. Thirkell, \$1.50 per 100.

Asparagus Sprengeri strong 2¼ and 3¼-in. \$1.75 per 100; \$15.00 per 1000.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Millham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

Agent, A. DIMMOCK, 31 Barclay St., NEW YORK CITY

HINODE FLORIST CO.

...JAPANESE NOVELTIES...

TINY PLANTS. In 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100. RHAPIS, 5 to 15 shots, 50 cents each.

CASH WITH ORDER.

LARGEST GROWERS OF LASTER LILIES. WOODSIDE, N. Y. and WHITESTONE, L. I., N. Y.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaune**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75c per dozen; \$8.00 per 100.

Anemone Prince Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

	Per doz.	100
Achillea, The Pearl, strong 3-in. pots	\$ 75	\$ 5.00
Asclepias Tuberosa, strong 1yr. old roots	75	6.00
Asters hardy in var. strong 3-in. pots	1.00	8.00
" Edna Mercia; a fine new pink var.	2.00	15.00
" Grandiflorus; large flowered late blue	2.00	15.00
Boltonia Latisquama, 4-in. pots	75	6.00
" Asteroides, 4-in. pots	75	6.00
Campanula Moehimi, 3-in. pots	1.25	10.00
" Pyramidalis, strong 1 yr. clumps	1.00	8.00
Caryopteris Mastacanthia, 3-in. pots	75	6.00
Chrysanthemum Shasta Daisy, 2 1/4-in. pots	60	4.00
Chrysanthemum Maximum Triumph 3-in. pots	75	6.00
Cimicifuga Simplex (rare) strong plants	3.50	25.00
Clematis Recta, strong 2 year old	1.50	12.00
Coreopsis Lanceolata, heavy 4-in. pots	75	5.00
Delphinium Formosum, strong 4-in. pots	75	6.00
" Belladonna (rare) very free flowering	2.50	20.00
Dianthus Latifolius Atrococcineus, 2 1/4-in. pots	60	4.00
Digitalis Gloxiniaeflora, 4-in. pots	75	6.00
Doronicum Austriacum, 3-in. pots	1.00	8.00
" Excelsum, 3-in. pots	1.00	8.00
Erigeron Coeruleus Grandiflorus, 3-in. pots	1.00	8.00
Eupatorium Ageratoides, 4-in. pots	75	6.00
" Celestinum, 3-in. pots	75	6.00
Feverfew Little Gem, 2 1/4-in. pots	60	4.00
Funkia Subcordata Alba, 4-in. pots	1.00	8.00
Gaillardia Grandiflora, heavy 4-in. pots	75	6.00
Gypsophila paniculata, strong 1 year old roots	75	6.00
Helenium Autumnale Superba, 4-in. pots	75	6.00
" Pumilum, 3-in. pots	1.00	8.00
" Magnificum, 3-in. pots	1.25	10.00
Helianthus Multiflorus Fl. Pl., strong	75	6.00
" Maximus, strong	75	6.00
" Maximiliana, strong	75	6.00
" Meteor, strong	75	6.00
" Soleil d'Or, strong	75	6.00
" Wolly Dod, strong	1.00	8.00
Heliopsis Pitcherianus, 4-in. pots	1.00	8.00

	Per doz.	100
Heliopsis Scaber Major, 4-in. pots	\$1.00	\$8.00
Hollyhocks, Dreer Superb Double in separate colors	1.25	10.00
Hollyhocks, Dreer Superb Double in choice mixture	1.00	8.00
Hypericum Moserianum, 3-in. pots	1.00	8.00
Iberis Sempervirens, 3-in. pots	75	6.00
Iris Kaempferi, 24 choice named var.	1.25	10.00
" finest mixed	1.00	8.00
" Germanica, 12 choice name var.	75	6.00
" fine mixed	50	4.00
Lobelia Cardinalis, strong 4-in. pots	75	6.00
Lychnis Chalcidonica, strong 3-in. pots	75	6.00
" alba, strong 4-in. pots	75	6.00
" Rubra, Fl. Pl. strong 3-in. pots	2.00	15.00
" Viscaria Splendens, strong 4-in. pots	1.00	8.00
Lysimachia Clethroides, strong 4-in. pots	75	6.00
Myosotis Palustris Semperflorens, strong 3-in. pots	50	4.00
" Alpestris Grandiflora, strong clumps	50	4.00
Paeonies in choice varieties; see catalogue for varieties	1.50	12.00
Penstemon Gentianoides, 3-in. pots	1.00	8.00
Physostegia Virginica, strong 4-in. pots	75	6.00
" alba, strong 4-in. pots	75	6.00
Perennial Phloxes, 25 finest varieties	75	6.00
Pinks Hardy, 6 best varieties, 4-in. pots	75	6.00
Pyrethrum Uliginosum, strong plants	75	6.00
Rudbeckia Golden Glow, strong 4-in. pots	75	6.00
" Purpurea, strong 4-in. pots	1.00	8.00
Scabiosa Caucasica, strong 3-in. pots	1.00	8.00
" alba, strong 3-in. pots	1.00	8.00
Solidago Rigida, strong 4-in. pots	1.25	10.00
" strong 4-in. pots	75	6.00
Spiraea Aruncus, clumps	1.00	8.00
" Chinensis, clumps	1.25	10.00
" Filipendula, fl. pl., 4-in. pots	75	6.00
" Gigantea, clumps	1.25	10.00
" Palmata, clumps	1.00	8.00
" Elegans, strong 4-in. pots	75	6.00



	Per doz.	100
Spiraea Ulmaria, strong 4-in. pots	\$ 75	\$ 6.00
" fl. pl., strong 4-in. pots	75	6.00
Statice Eximia, strong 3-in. pots	75	6.00
" Gmelini, strong 3-in. pots	75	6.00
" Latifolia, strong 3-in. pots	75	6.00
Stokesia Cyanea, strong 3-in. pots	1.00	8.00
Sweet Williams, strong 4-in. pots	60	4.00
" large clumps	75	6.00
Thalictrum Aquilegifolium Atropurpurea, 4-in. pots	1.00	8.00
Thalictrum Aquilegifolium Album, 4-in. pots	2.00	15.00
Thalictrum Aquilegifolium Roseum 4-in. pots	1.00	8.00
Trollius Aurantiacus, 4-in. pots	1.50	12.00
" Europaeus, 4-in. pots	1.00	8.00
" Japonicus Excelsior, 4-in. pots	1.50	12.00
" Orange Globe, 4-in. pots	2.50	20.00
Tritoma Pfitzerii, strong per 1000	\$50.00	1.00
" Coralina " " " "	50.00	1.00
" Macowani " " " "	75.00	1.00
" Uvaria Grandiflora, strong per 1000	50.00	1.00
Valeriana Coccinea, 4-in. pots	1.00	8.00
" alba, 4-in. pots	1.00	8.00
" Officinalis, 4-in. pots	1.00	8.00

HENRY A. DREER,

(INCORPORATED)

714 Chestnut St., Philadelphia.

Please mention the American Florist when writing.

Palms and Asparagus Cheap.

	Per 100
Lantana Bor., 2-in. pot, seed leaves	8.00
" " 8-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2 1/4-in. pot, 8-10 in., 2 leaves	10.00
" " 3-in. pot, 8-10 in., 3-4 leaves	12.50
" " 4-in. pot, 12-16 in., 4-5 leaves	16.00
Asparagus Sprengerii, 2-inch	\$2.00
Asparagus Plumosus Nanus, 2-inch	2.50
" " 3-inch	5.00

SHERMAN NURSERY CO.,
CHARLES CITY, IA.

JOSEPH HEACOCK,
WYNCOTE, PA.
—GROWER OF—

Kentia Belmoreana
and **Kentia Forsteriana**

SCOTTII

The Most Graceful Nephrolepis Known

Retailers who have handled this fern are unanimous in proclaiming it the best Fern ever introduced.

Consult any grower who has bought Scottii and he will tell you that it is as far ahead of the Boston as that variety is ahead of all other introductions.

See my adv. on second cover page in American Florist of Feb. 25th.

JOHN SCOTT, Keap Street Greenhouses, BROOKLYN, N. Y.

BRANCH:
E. 45th St. and Rutland Road, Flatbush.

TELEPHONE, 1207 WILLIAMSBURG.

Please mention the American Florist when writing

Asparagus Plumosus,

50 CENTS PER STRING.

Carnation Blooms and Rooted Cuttings.
Good stock.

W. H. WATSON, Lapeer, Mich.

Scottii Ferns.

Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
2 1/4-inch	\$2.00	\$12.50
3-inch	3.00	20.00
4-inch	5.00	

Pierson Ferns 2 1/4-inch 60c per dozen, \$4.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the American Florist when writing.

BOSTON FERNS.

Extra fine stock, out from bench now ready for 5, 6, 7 and 8-inch pots, at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. **KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS.** Cash or reference please.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

SUCCESSFUL SELLERS.....
are the Successful growers who advertise in

THE AMERICAN FLORIST.

Davenport, Ia.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the Tri-city Florists' Club took place on the evening of March 16, at the residence of Harry M. Bills, of the Bills Floral Company. Nearly every member of the club was present. After the usual business of the club was conducted, the election of officers took place, which resulted as follows: President, John Temple, of Davenport; vice-president, Henry Pauli, Davenport; recording secretary, Henry Meyer, Rock Island; financial secretary, Theodore Ewoldt, Davenport; treasurer, Adolph Arp, Davenport; executive committee, Harry Bills, Davenport; Henry Gaethje, Rock Island, and William Knees, Moline.

It was agreed that the meetings of the society shall take place in the afternoons of the second Thursday of each month, instead of being held in the evenings of the same date, as heretofore. The club accepted the invitation of Henry Pauli, of Davenport, to meet at his place of business at the next regular meeting. William Knees and Emil Beehm both gave a very interesting talk on poinsettias. The hostess treated the visiting florists to a fine luncheon and cigars.

NOTES.

Ewoldt Brothers had a large decoration on St. Patrick's day for the Outing Club house, for one of the most brilliant affairs of the season.

Forbes & Bird caught the rest of the florists napping and were the only ones to have green carnations on St. Patrick's day.

Easter stock is coming along nicely, and everything points to a large trade, with plenty of flowers to supply it.

Henry Gaethje, of Rock Island, intends to take a trip to Germany as soon as the spring rush is over.

Andrew Bahr is confined to the house with the grip. Mrs. Bahr, his mother, is also quite ill.

Ewoldt Brothers will open a cut flower store at 317 Brady street April 1.

TED.

Minneapolis.

Trade continues in the same trend as last week, with plenty of stock to fill all orders, and no sign of an increase in business for a while. American Beauty roses are the only flower that has any decided demand. Carnations are bringing from \$1.50 to \$3.50 for fancies, but on large orders this price does not hold. Bride, Bridesmaid, Liberty, etc., are commanding from \$3 to \$8. Bulbous stock is sufficient to meet all demands, excepting tulips. St. Patrick's day caused quite a flurry in the market for white carnations, which were dyed green for the occasion, and met ready sale by the single bloom.

Thompson & Patthey had some shamrock plants which sold to good advantage St. Patrick's day.

Carl Strable, who is now running the Mendenhall greenhouses at Minnehaha Falls, is sending in some good lily of the valley and bulbous stock.

Rice Brothers are receiving some large shipments of smilax strings of good quality.

Visitors: H. E. Philpott, of Winnipeg, Man., Can.; G. Reising, with L. Baumann & Company, Chicago.

C. F. R.

Money by TELEGRAPH.

Order now, the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for \$3.00 per doz., and give tone to your establishment.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.

DAHLIA KAISERIN AUGUSTA VICTORIA:

The Best White Dahlia in Existence. My own importation. I control the entire stock of it. Flowers double, of the purest white, 4 to 5 inches in diameter. A wonderful bloomer. Stems, 12 to 18 inches long. Plants 3 to 3½ feet high. The finest plants from cuttings. Good strong stock from 2½-inch pots, \$3.00 per doz.; \$20.00 per 100. Delivery May 1st. Orders filled in rotation. Early booking suggested. Highly commended by the American Institute and the New York Florists' Club. Address

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

Bedding Plants.

	Per 1000	2½-in. R. C.
Alternantheras, red and yellow, Aug. R. C. very strong....	\$ 5.00	
Agaratum, dwarf, blue and white		.50
Alyssum, Giant, double sweet....	2.00	.75
Carnations, R. C. from soil.		
Cobaea, from flats, transplanted		1.00
Coleus, in varieties.....	2.00	.70
Feverfew, Little Gem.....	2.50	1.00
Forget-me-nots.....	2.00	1.00
Fuchsia, 8 named varieties.....	2 50	1.00
Heliotrope.....		1.00
Marguerites, Etoile d'Or, yellow.		1.50
" Mme. Lalibert, white		1.50
Geraniums, 20 varieties.....	2.50	
Petunias, double fringed, white and in var.....	2.50	1.25
Pansies, in bud and bloom.....	10.00	
Salvia, 4 named varieties.....	2.00	1.00
Verbenas, in white, pink, blue, scarlet and mixed transpl'd		.50
Vegetable Plants, price list mailed free.		
Add 10c per 100 for postage on rooted outtings.		
Cash please.		

LUDVIG MOSBAEK, Onarga, Ill.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine a lot of single and made-up plants as ever grown, 4-in., 5-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each. DRACAENA INDOVISA, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100. ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100. ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100. GERANIUMS, Jean Vaud, B. A. Nutt, Castellane, John Doyle, Perkins, Single and Double, Gen. Grant, La Favorite, Mme. Sallerol, 2-in. pots, \$2.50 per 100. GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000. GERMAN IVY, 2-in., \$2.50 per 100. SCARLET SAGE, LOBELIA, VERBENA, VINCA VAR., HELIOTROPE, Double and Single PETUNIA, 2-in. pots, \$2.00 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

Easter Stock

IN EASTER LILIES, HYDRANGEAS, GENISTAS, SPIRAEA GLADSTONE, RHODODENDRONS.

Palms, Ferns and

Decorative Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

The Brockton Dahlia Farm

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.

W. P. LOTHROP, EAST BRIDGEWATER, MASS.

Easter Plants

A SPECIALTY.

Notice—Lowest prices on good stock. All showing buds and can be forced into bloom at once or can be easily kept for Easter blooming.

Spiraea Compacta, Floribunda, Japonica, all are large plants. 6-inch pots, \$2.00 per doz. Gladstone, from \$3.00 to \$5.00 per doz. Azalea Indica, have 1,500 Mad. Van der Cruyssen, as round as an apple, covered with buds, 75c, \$1.00, \$1.25 to \$1.50 each. Other leading varieties, all shades, 60c, 75c, \$1.00, \$1.25 to \$1.50 each. Lilium Harrison and Japan Multiflorum, 6-inch pots, from 3 buds up, 10c per bud. White Oasies, (Marguerites), 6-inch pots, \$2.50 per doz. Hydrangea Olaksa, 6-inch pots, \$3.00 to \$4.00 per doz.; 7-inch pots, 75c each. Cineraria Hyb., 6-inch pots, \$2.00 to \$3.00 per doz.; 4 to 5-inch pots, \$1.25 per doz. Begonia, Pres. Carnot, Flambeau and others, 6-inch pots, \$2.50 per doz. Roses, American Beauty, large, 6-inch pots, 40c; Brides, Kaiserin, Hermosa and other hybrids, 5½-inch pots, 25 to 30c each. Hyacinths, first size, 4-inch pots, all shades, \$1.00 per 100. Dbl. Tulips, Tournesol, 3 bulbs in a 4-inch pot, \$1.50 per dozen pots. Daffodils, Von Sioa, double nosed, 6-inch pots, 3 in a pot, \$2.00 per doz. All bulbs dormant in cold frame, will take two to three weeks to force into bloom.

Araucaria Excelsa, 7-inch, 5 to 6 tiers, 25 to 30 and more inches high, \$1.50 each. Ficus Elastica, 25 to 30 inches high, 6 to 7-inch pots, \$6.00 to \$7.00 per doz. Primula Obconica, 5½-inch pots, full of flowers, \$2.00 per doz.

I am the Moon Vine grower of the land. 10,000 now ready in 2½-inch pots of A. W. Smith's Ipomea Horrillora, purest large white Moon Vine in the world. Price, \$5.00 per 100. Mr. Smith has a world wide reputation for them.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tloga 8609 A.

1012 Ontario St., PHILADELPHIA, PA.

Vinca Variegata.

HARDY PINKS, large field-grown, 5 sorts, 3½c. PARIS DAISY, Giant 2-inch, 2c.

DOUBLE DAISIES, Snowball, Longfellow, \$2.50 per 1000.

ABUTILONS, 4 varieties, 2½-inch, 2½c. SALVIAS, 2-in., Bonfire, Splendens, Silverspot, \$1.75 per 1000.

GERMAN IRIS, divided roots, \$1.00 per 100.

VINCA VARIEGATA, 2-in. 2c.

COLEUS, 15 kinds, 2-in. 2c.

HOLLYHOCK, double, 5 kinds, small 1 year old, \$1.00 per 100.

FORGET-ME-NOT, Everblooming, 2-in. 1½c.

RUDBECKIA, divided roots, \$1.00 per 100.

COREOPSIS Lancifolia, field, 2c.

Rooted Cuttings, per 100, prepaid: Heliotrope, 75c. Agaratum, white, Gurney, Pauline, 50c. Salvia, Splendens, Bonfire, Silverspot, 90c; \$3.00 per 1000. Fuchsia, 5 best varieties, 90c. Hardy Pinks, 7 varieties, some everblooming, 75c; \$5.00 per 1000. Dbl. Petunias, 10 finest, \$1.00. Alternanthera, red and yellow, 50c; \$3.50 per 1000, 5000 for \$15.00. Swainsona Alba, 75c. Tradescantia, 2 kinds, 75c. Everblooming Forget-me-nots, \$1.00. Stovia, Serrata and Variegata, 75c. Giant Paris Daisy, \$1.00. Coleus, 60c, \$5.00 per 1000. Mums, Pacific, Western King, Weeks, \$1.00. Vinca Variegata, 90c. Feverfew, Gem, \$1.00.

—CASH—

BYER BROS., Chambersburg, Pa.

MADISON, CONN.—The greenhouses of F. C. Dowd were totally destroyed by fire March 13.

WE WANT TO MOVE

Several Hundred Exceptionally Large
KENTIA BELMOREANA and FORSTERIANA
at \$7.00 each Sizes as follows:

Kentia Belmoreana, 12-inch pots, 54 to 60 inches high, 7 to 8 leaves.
Kentia Forsteriana, 12-inch pots, 54 to 60 inches high, 6 to 7 leaves.

This is fine perfect stock and is just what you need for your Easter trade.

We also have several thousand exceptionally fine **LATANIA BORBONICA**, in 8-inch pots, 7 to 9 leaves, 30 to 36 inches high from top of pot. Perfect stock that we will close out to make room at **\$1.25 each**.

We also hope to be favored with your order for the following stock which we can recommend as A1 quality :

Variety.	Size.	Height.	Leaves.	Each.	Doz.	100	Variety.	Size.	Each.	Doz.	100
KENTIA BELMOREANA.....	3½	12-14	5-6	....	\$2 00	\$15.00	NEPHROLEPIS BOSTONIENSIS...	2.....	\$.50	\$4.00	
" " ".....	4	15-17	5-6	....	3 00	25.00	" " ".....	3.....	1.00	....
" " ".....	5	18-22		\$.75	7.50	50.00	" " ".....	4.....	1.50	....
" " ".....	6	22-24	6	1.00	12.00	....	" " ".....	5.....	2.00	....
" " ".....	6	24-26	6-7	1.50	18.00	....	" " ".....	6.....	2.50	....
" " ".....	7	32-34	6	2.00	24.00	....	" " ".....	7.....	3.00	....
" " ".....	7	34-36	6	2.50	30.00	....	" " ".....	8.....	3.50	....
" " ".....	9	44-48	7-8	6.00	....	....	" " ".....	9.....	4.00	....
" " ".....	3½	14-16	3-4	2.00	15.00	....	POA TRIV. VAR.....	10.....	4.50	....
" " ".....	4	16-18	4-5	3.00	25.00	....	" " ".....	3 for ferneries.....	5.00	....
KENTIA FORSTERIANA.....	5	24-27	4-5	.75	7.50	60.00	CROTONS.....	3.....	1.50	....
" " ".....	6	26-30	5	1.00	12.00	....	" " ".....	4.....	2.00	....
" " ".....	7	32-36		2.00	24.00	....	CIBOTIUM SCHIEDII.....	6.....	1.50	18.00	....
" " ".....	8	34-38	5-6	2.50	30.00	....	" " ".....	7.....	2.00	24.00	....
" " ".....	9	46-48	5-6	6.00	....	....	ADIANTUM CUNEATUM.....	2.....	....	3.00	....
LATANIA BORBONICA.....	2			....	.75	5.00	" " ".....	3.....	1.00	7.00	....
" " ".....	3			....	1.00	7.00	" " ".....	4.....	1.50	12.00	....
" " ".....	3½	11-13	4-5	....	2.00	....	" " ".....	5.....	2.00	15.00	....
" " ".....	4	13-15	4-5	....	3.00	....	DRACÆNA INDIVISA.....	4.....	1.50	10.00	....
" " ".....	5	18-20	6-7	....	5.00	....	" " ".....	5.....	2.00	....
" " ".....	6	22-24	7	.60	7.00	....	" " ".....	6.....	2.50	....
" " ".....	7	26-30	7	1.00	12.00	....	" " ".....	7.....	3.00	....
PHOENIX CANARIENSIS.....	8	38-42	10-12	3.00	....	....	" " ".....	8.....	3.50	....
" " ".....	12	46-52	12-15	5.00	....	....	" " ".....	9.....	4.00	....
FIGUS ELASTICA.....	4	10-12		.25	3.00	....	" " ".....	10.....	4.50	....
" " ".....	5	16-20		.30	4.50	....	" " ".....	11.....	5.00	....
" " ".....	6	20-22		.50	6.00	....	" " ".....	12.....	5.50	....
ARAUCARIA EXCELSA.....	4	tiers	2-3	.50	6.00	....	" " ".....	13.....	6.00	....
" " ".....	5	tiers	3-5	.75	9.00	....	" " ".....	14.....	6.50	....
" " ".....	6	tiers	3-5	1.25	15.00	....	" " ".....	15.....	7.00	....
" " ".....	comp.	tiers	3	2.00	....	....	" " ".....	16.....	7.50	....
COCOS WEDDELLIANA.....	3			....	2.50	....	" " ".....	17.....	8.00	....
PANDANUS VEITCHII.....	4			.50	6.00	....	" " ".....	18.....	8.50	....
" " ".....	5			1.00	12.00	....	" " ".....	19.....	9.00	....
" " ".....	6	18-20		1.25	15.00	....	" " ".....	20.....	9.50	....
PANDANUS UTILIS.....	3			....	2.00	....	" " ".....	21.....	10.00	....
" " ".....	5			....	5.00	....	" " ".....	22.....	10.50	....
" " ".....	6			....	9.00	....	" " ".....	23.....	11.00	....

DAHLIAS

Dahlias are coming more and more into prominence and every Florist would do well to plant a stock of good varieties for cutting in the fall and for working up a stock for spring sales. We can especially recommend the following varieties:

- Mrs. Browning; double yellow.
Oban; double rosy lavender.
Hohenzollern; orange red.
Zulu, double dark black maroon.
Perle; pure white.
J. H. Roach; double yellow.
Prof. Baldwin; red.
Bartels; double orange and red.
St. George; double yellow.
Sundew; bright orange scarlet.
Evadne; soft primrose shading to white.
Ami Barilet; pure garnet, single.
- Mrs. A. Newhall; dark crimson shaded to maroon.
Aegir; red.
William Pearce; yellow.
John Cowen; single red.
Mrs. George Reed; pure white.
Camellia Flora; double white.
Lancelot; double red and orange.
Miss Bennett; deep orange.
John Downie; single red.
Miss Annie Nightingale; orange and red, large.
Mrs. A. Beek; red and orange.
Geo. Marlow; primrose, shaded amber.
- Loviz; red.
Nance; single purple.
Woodbridge; purplish red.
Stroblein Krone; cardinal red.
Indescent; double red and orange.
A. D. Livoni; clean pink double quilled.
Twentieth Century; crimson and white, single.
C. W. Burton; finest yellow decorative dahlia.
William Miller; brilliant purple.
Storm King; double white.
Camellia Alba; double white.
White Lady; white with shade of purple.

We can supply any of the above from 2½-inch pots at \$1.50 per dozen; \$10.00 per 100.

The Fumigating Kunt Tobacco Powder

ALL THAT USE IT SAY "There is only One."



FREE trial five-pound bag will cost you nothing more than the express charges on it. The trial bag will prove our assertion that it is the most effective, cleanest and quickest, as well as the cheapest (10 cents per 100-foot house) article to fumigate with. All aphids killed in one night—our booklet tells of it; we mail one on request.

THE H. A. STOOHOFF COMPANY, Tobacco Powder Hobbyists, 116, 117, 118 West St., New York.

NICO-FUME

TOBACCO-PAPER INSECTICIDE
—BY FAR THE BEST.—



No. 1 LIGHTING (SHEET HUNG FROM PLANT STICK)
No. 2 SMOKING. —————

FOR SALE BY SEEDSMEN.

24 sheets, 75c. 144 sheets, \$3.50;
288 sheets, \$6.50 (only 24¢ each).

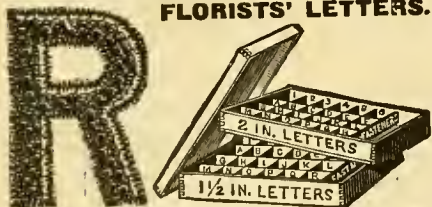
PACKED IN FRICTION-TOP TINS
Preventing Loss by Evaporation.

Mfg. by Kentucky Tobacco Product Co.,
Louisville, Ky.

Please mention the American Florist when writing.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 1/4 or 2-Inch size, per 100, \$2.00.
Script Letters, \$3. Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

"NICOTICIDE" KILLS BUGS

TOBACCO WAREHOUSING & TRADING CO.
LOUISVILLE, KENTUCKY.

MANCHESTER, MASS. — The North Shore Horticultural Society met March 10, and listened to an interesting paper read by Kenneth Finlayson on "Topics about Greenhouse Management."

ESTABLISHED
1866

EMIL STEFFENS

SUCCESSOR N. STEFFENS.
AND STEFFENS BROS.



Please mention the American Florist when writing

Tobacco Dust FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET,
NEW YORK.

ROSSIG BROTHERS,

—MANUFACTURERS OF—

Artificial Leaves.

ALL STYLES IN HUNDREDS OF DIFFERENT DESIGNS. PAPER AND MUSLIN. SMILAX,
YARDS and PIQUETS. Samples Furnished to the Jobbing Trade Only.

497 West Broadway. NEW YORK.

M. RICE & CO.,

Importers and Manufacturers,

Loading Florists'
Supply House and
Ribbon Specialists.

918 Filbert Street,
Philadelphia, Pa.

Please mention the American Florist when writing

CUT FLOWER BOXES

WATERPROOF
Corner Lock
Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.	0	1	2	3	4	5	6	7	8	9	10	11
	3x 4x20	3x 4 1/4x16	3x 6x18	4x 8x18	3x 5x24	4x 8x22	4x 8x28	6x16x20	3x 7x21	5x10x35	7x20x20	3 1/4x5x30
	\$2.00	1.90	2.00	2.50	2.75	3.00	3.75	5.50	3.00	6.50	9.50	3.00
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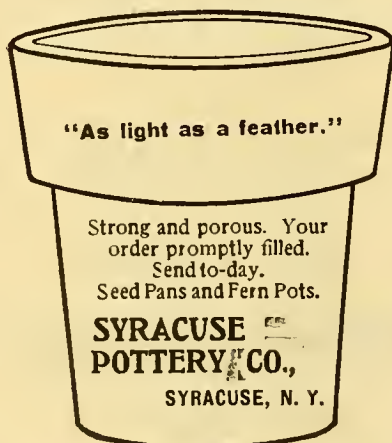
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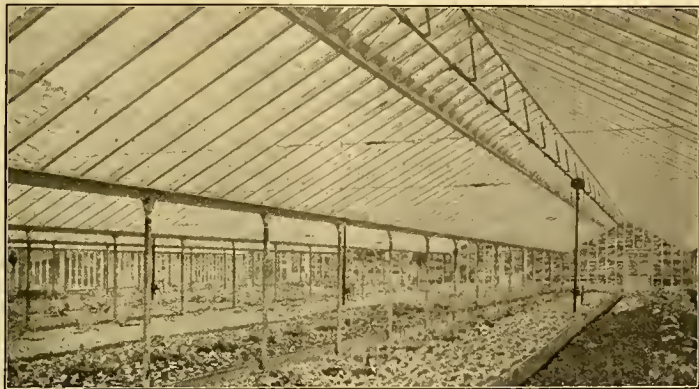
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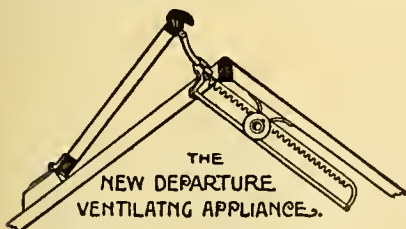
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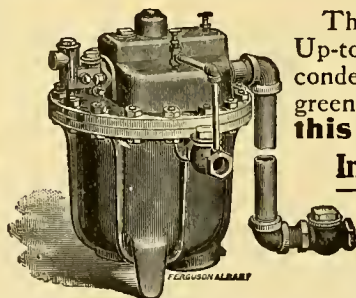
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Alternantheras—Rooted cuttings and plants, \$5 per 1,000.
Ludvig Mosbaek, Onarga, Ill.

Alternantheras—100,000 alternantheras, strong rooted. Brilliantissima 75c per 100, \$5 per 1,000; A. Nana, 50c per 100, \$4 per 1,000; P. Major, 50c per 100, \$4 per 1,000. Special prices on 5,000 or more.
Davis Bros., Morrison, Ill.

Alyssum—Giant Alyssum, \$1 per 100; \$8 per 1,000.
S. D. Brant, Clay Center, Kan.

Ampelopsis—Ampelopsis Veitchi.
W. & T. Smith Co., Geneva, N. Y.

Asparagus plumosus—Asparagus plumosus, 4-in., \$1.25 per doz.; 2½-in., \$2.50 per 100; Sprenger, 3-in., 75c per doz. All strong plants. Cash.
Goshen Floral Co., Goshen, Ind.

Asparagus—50,000 Sprenger, 50,000 Plumosus and Robustus, ready June 1. Send for prices.
Albert M. Herr, Lancaster, Pa.

Asparagus—Conover's asparagus, \$2.50 per 1,000.
H. H. Kern, Bonner Springs, Kan.

Asparagus—A. plumosus and Sprenger, 3-in., only \$4 per 100.
John Brod, Niles Center, Ill.

Asparagus—Asparagus plumosus nanus, 2-in., \$2.50 per 100; 3-in., \$5 per 100; A. Sprenger, 2-in., \$2 per 100.
Sherman Nursery Co., Charles City, Ia.

Asparagus—Asparagus plumosus 2 and 3-in., \$4 to \$8 per 100; A. Sprenger, 2 and 3-in., \$3 to \$5 per 100.
Geo. M. Emmans, Newton, N. J.

Asparagus—Asparagus plumosus nanus.
L. H. Foster, 45 King St., Dorchester, Mass.

Asparagus—Asparagus plumosus nanus and A. Sprenger.
Geo. A. Kuhl, Pekin, Ill.

Asters—Asters hardy in variety, 3-in. pots, \$1 per doz., \$8 per 100.
Henry A. Dreer, Philadelphia, Pa.

Azalea—Azaleas, all sizes and prices, 75c, \$1, \$1.25, 1,500 Madame Van der Cruyssen.
Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Azaleas—10,000 azaleas, 75c to \$25 each, for Easter.
H. C. Steinhoff, W. Hoboken, N. J.

Cactus—Cactus Ingeborg Egeland, leading scarlet, \$3 per doz., \$20 per 100.
W. W. Wilmore, Box 382, Denver, Col.

Canna—Gold medal canna West Virginia. Dry bulbs, \$3 per 100; started plants April 1, \$5 per 100. Limited stock.
Gus. Obermeyer, box 219, Parkersburg, W. Va.

Cannas—Started plants out of sand, 4 to 10-in., ready for pots, \$3 per 100; var., Queen Charlotte, Mme. Crozy, Alphonse Bouvier, Egandale, and Italia. Cash with order.
C. A. Knapp, Chestnut Hill, Philadelphia.

Carnation—Rooted cuttings.
Wm. Swayne, Box 225, Kennett Square, Philadelphia, Pa.

Canna—King Humbert, 3-in. pot plants, 35c each; \$3.50 per doz.; \$25 per 100.
Vaughan's Seed Store, Chicago and New York.

Canna—New canna, Mrs. Wm. F. Kasting. Gold medal winner, St. Louis; height 3½ feet; immediate delivery; \$1 each; \$9 per doz.; \$50 per 100; stock limited.
Wm. F. Kasting, 383-85 Ellicott St., Buffalo, N. Y.

Carnations—Rooted cuttings from soil.
Ludvig Mosbaek, Onarga, Ill.

Carnation—Wm. Penn, a promising novelty, at \$10 per 100, 25 for \$2.50; Queen Louise at \$10 per 1,000; Floriana at \$12.50 per 1,000. Big batch of cuttings from sand ready March 20. Send for March price list.
Albert M. Herr, Lancaster, Pa.

Carnation—Rooted carnation cuttings: White Lawson, \$5 per 100, \$50 per 1,000; Flamingo, \$5 per 100, \$50 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; Cardinal from 2-in. pots, \$12 per 100.
Larchmont Nurseries, Larchmont, N. Y.

Carnation—Crisis (new), \$12 per 100; Mrs. Patten, \$5 per 100; Judge Hinsdale, \$4 per 100; Lady Bountiful, \$5 per 100; Buttercup, \$3 per 100; Flamingo, \$5 per 100; Dorothy Whitney, \$3 per 100; Golden Beauty, \$3 per 100; Prosperity, \$2 per 100; Mrs. J. H. Manley, \$2.50 per 100; Wm. Scott, \$1.25 per 100, \$10 per 1,000; Floriana, \$1.25 per 100, \$10 per 1,000; Lorna, \$1.25 per 100, \$10 per 1,000; Eldorado, \$1.25 per 100, \$10 per 1,000; Mrs. Joost, \$1.25 per 100, \$10 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Flora Hill, \$1.25 per 100, \$10 per 1,000; Mrs. Lawson, \$2 per 100, \$15 per 1,000; Adonis, \$2.50 per 100, \$20 per 1,000; Harry Penn, \$2 per 100, \$15 per 1,000; Gov. Roosevelt, \$1.50 per 100, \$12 per 1,000; Mrs. P. Palmer, \$1.25 per 100, \$10 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; Mrs. E. A. Nelson, \$1.50 per 100, \$12 per 1,000; Portia, \$1.25 per 100, \$10 per 1,000; Queen Louise, \$1.25 per 100, \$10 per 1,000; Dorothy, \$1.25 per 100, \$10 per 1,000.
J. L. Dillon, Bloomsburg, Pa.

Carnation—Crisis, \$12 per 100, \$100 per 1,000.
J. L. Dillon, Bloomsburg, Pa.

Carnation—The Cardinal, best scarlet in market today; rooted cuttings now ready. \$12 per 100; \$100 per 1,000.
E. G. Hill, Richmond, Ind.

Carnation—The Cardinal, best scarlet in market; rooted cuttings now ready. \$12 per 100; \$100 per 1,000.
Chicago Carnation Co., Joliet, Ill.

Carnation—Unrooted carnation cuttings, Queen Louise, Portia, Crocker, Goodenough, 50c per 100; Lawson, \$1 per 100; Gladious, bulbs, 75c per 100, \$6 per 1,000. Cash with order.
George M. Emmans, Newton, N. J.

Carnation—Carnation, rooted cuttings. The Queen, Estelle, \$2 per 100; \$15 per 1,000. Flamingo, \$3 per 100; \$25 per 1,000.
E. H. Blaumeuser, Niles Center, Ill.

Carnation—Crisis, \$12 per 100, \$100 per 1,000.
J. L. Dillon, Bloomsburg, Pa.

Carnation—Red Sport, holly berry red, 2½ to 3-in. flower. Immediate delivery, price, \$1.50 per doz.; \$2.50 for 25; \$4 for 50; all postpaid. \$5 per 100; \$50 per 1,000. Queen Louise, \$1.25 per 100 postpaid; \$10 per 1,000.
A. B. Davis & Son, Purcellville, Va.

Carnation—Strong rooted cuttings. N. Fisher, \$5 per 100; Indianapolis, \$4 per 100; Enchantress, \$2.50 per 100, \$24 per 1,000; B. Market, \$1.75 per 100, \$15 per 1,000; Estelle, \$1.75 per 100, \$15 per 1,000; Wolcott, \$2 per 100, \$18 per 1,000; Lawson, \$1.25 per 100, \$12 per 1,000; Glacier, \$1.25 per 100, \$12 per 1,000; Prosperity, \$1.50 per 100, \$14 per 1,000.
The W. T. Buckley Co., Springfield, Ill.

Carnation—Carnation cuttings Nelson Fisher, \$5 per 100, \$50 per 1,000; Mrs. M. A. Patten, \$6 per 100, \$50 per 1,000; Flamingo, \$5 per 100, \$50 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; D. Whitney, \$5 per 100, \$40 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Harry Penn, \$2.50 per 100, \$20 per 1,000; Manley, \$3 per 100, \$25 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Queen, \$2.50 per 100, \$20 per 1,000. Well rooted from selected stock. Same varieties from pots 50c more per 100.
Backer & Co., Billerica, Mass.

Carnation—Richmond Gem, ready now, the free blooming scarlet, \$10 per 100, \$40 per 500, \$75 per 1,000. Also Lawson, \$1.50 per 100, \$12.50 per 1,000; B. Market, \$2.50 per 100, \$20 per 1,000; Queen Louise, \$1.25 per 100, \$10 per 1,000; Mrs. F. Joost, \$1.25 per 100, \$10 per 1,000; Prosperity, \$1.50 per 100, \$12.50 per 1,000. Keep in touch with "Melody," the daybreak sport from Lawson. Flora Hill and White Cloud, 2-in., \$1.50 per 100 to exchange for helle-trope, coleus, moon vine and alternantheras, rooted cuttings.
W. C. Hill Floral Co., Streator, Ill.

Carnation—White Lawson, Flamingo, N. Fisher, Crusader, \$5 per 100, \$50 per 1,000.
John Breitmeyer's Sons, Detroit, Mich.

Carnation—My Maryland, delivery January, 1905, \$2.50 per doz., \$12 per 100, \$100 per 1,000. Write us for other varieties.
H. Weber & Sons, Oakland, Md.

Carnation—White Lawson, Flamingo, N. Fisher, Crusader, \$5 per 100, \$50 per 1,000.
John Breitmeyer's Sons, Detroit, Mich.

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H. Weber & Sons, Oakland, Md.

Carnation—White Lawson, Flamingo, N. Fisher, Crusader, \$5 per 100, \$50 per 1,000.
John Breitmeyer's Sons, Detroit, Mich.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnation—Rooted cuttings now ready. All best commercial varieties, also some of tried newer sorts. First-class stock.

Poehlmann Bros. Co., Morton Grove, Ill.

Carnation—Carnation Robert Craig (scarlet), 1906. Order now for March delivery. \$12 per 100; \$100 per 1,000.

J. D. Thompson Carnation Co., Joliet, Ill.

Carnation—Carnation cuttings; well rooted, taken from selected stock, clean and healthy. Lawson, \$1.50 per 100, \$12.50 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Enchantress, \$3 per 100, \$25 per 1,000; Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Higinbotham, \$1.25 per 100, \$10 per 1,000; Estelle, \$1.50 per 100, \$12.50 per 1,000; Chicago, \$2 per 100, \$15 per 1,000; Adonia, \$2.50 per 100, \$20 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; White Cloud, \$1.25 per 100, \$10 per 1,000; Her Majesty, \$1.50 per 100, \$12.50 per 1,000; Harlowarden, \$1.50 per 100, \$12.50 per 1,000.

Wietor Bros., 51 Wabash Ave., Chicago, Ill.

Carnation—Rooted carnation cuttings, White Lawson, 5,000 ready to be shipped, \$7 per 100, \$60 per 1,000; Lady Bountiful, \$7 per 100, \$60 per 1,000; Mrs. M. A. Patten, \$8 per 100, \$50 per 1,000; Nelson Fisher, \$7 per 100, \$60 per 1,000; Dahelm, \$8 per 100, \$50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Mrs. T. W. Lawson, \$2 per 100, \$18 per 1,000; Gen. Maceo, \$2 per 100, \$15 per 1,000; Morning Glory, \$2 per 100, \$15 per 1,000; Mrs. G. M. Bradt, \$3 per 100, \$25 per 1,000; Melba, \$1.50 per 100, \$12 per 1,000; Queen Louise, \$1.50 per 100, \$12 per 1,000. Grafted roses. Write for prices.

Wood Bros., Fishkill, N. Y.

Carnation—Carnation cuttings. Geo. A. Kuhl, Pekin, Ill.

Carnation—Carnation, William Penn, 10,000 cuttings; 25 rooted cuttings, \$2.50; \$10 per 100; \$75 per 1,000; 250 for \$18.75.

Frank L. Kohr, R. F. D. 3, Lancaster, Pa.

Carnation—Red Lawson, at \$10 per 100; \$40 per 500; \$75 per 1,000.

W. J. Palmer & Son, Lancaster, N. Y.

Carnation—200,000 carnations, Queen Louise, Flora Hill, G. Wolcott, Chicot, Mrs. T. Lawson, Enchantress, M. Joost, Success, Pres. McKinley, G. H. Crane, America, Harlowarden, etc.

Loomis Floral Co., Loomis, Cal.

Carnation—Rooted cuttings ready now: Lady Bountiful, Phyllis, Chicago White, Robert Craig, White Lawson. Send for prices. Albatross, \$5 per 100, \$40 per 1,000; Boston Market, \$3 per 100, \$25 per 1,000; Cardinal, \$12 per 100, \$100 per 1,000; Crisis, new, \$12 per 100, \$100 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; Dahelm, \$6 per 100, \$50 per 1,000; Dorothy Whitney, \$5 per 100, \$40 per 1,000; Eclipse, Dorner's, \$12 per 100, \$100 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Estelle, \$3 per 100, \$25 per 1,000; Flamingo, \$6 per 100, \$50 per 1,000; Flora Hill, \$1.75 per 100, \$50 per 1,000; Flora Hill, \$1.75 per 100, \$15 per 1,000; Lord, \$1.75 per 100, \$15 per 1,000; Wolcott, \$2.50 per 100, \$20 per 1,000; Harlowarden, \$2.50 per 100, \$20 per 1,000; Indianapolis, \$5 per 100, \$40 per 1,000; Morning Glory, \$2 per 100, \$18 per 1,000; Lawson, \$3 per 100, \$25 per 1,000; Mrs. Joost, \$1.75 per 100, \$15 per 1,000; Mrs. Patten, \$6 per 100, \$50 per 1,000; Nelson Fisher, \$8 per 100, \$60 per 1,000; Prosperity, fancy, \$3 per 100, \$25 per 1,000; Queen Louise, \$1.75 per 100, \$15 per 1,000; Red Lawson, \$10 per 100, \$75 per 1,000; Richmond Gem, \$10 per 100, \$75 per 1,000; The Belle, \$6 per 100, \$50 per 1,000; Vesper, \$5 per 100, \$40 per 1,000; Variegated Lawson, \$12 per 100, \$100 per 1,000; White Cloud, \$1.75 per 100, \$15 per 1,000; White Swan, \$10 per 100, \$80 per 1,000.

Vaughan's Seed Store, Chicago; Greenhouses, Western Springs, Ill.

Carnation—Strong, healthy, well rooted cuttings, Prosperity, Joost, Lawson and Wolcott, \$2 per 100; Moonlight, \$3 per 100.

John Brod, Niles Center, Ill.

Carnation—Victory to be disseminated, 1906, \$12 per 100; \$100 per 1,000; 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, N. Fisher and M. Patten, \$6 per 100; \$60 per 1,000; Enchantress, \$3.50 per 100; \$30 per 1,000; Prosperity, \$2.50 per 100, \$20 per 1,000; The Belle, Lady Bountiful, \$6 per 100, \$60 per 1,000; H. Fenn and Goethe, \$2 per 100, \$20 per 1,000; Lawson, \$2 per 100, \$15 per 1,000; G. Lord, Maceo, Cervera, \$1.50 per 100, \$15 per 1,000; Manley, \$3 per 100, \$25 per 1,000. Five per cent discount cash with order.

Alex. J. Guttman, 52 W. 29th St., New York City.

Carnations—Sturdy little pot plants from best cuttings, per 100: B. Market, \$2.50; Gov. Wolcott, \$3; Indianapolis, \$4; Mrs. Nelson, \$2.50; Mrs. Lawson, \$2.50; The Queen, \$3; G. H. Crane, Glacier, Lorna, Floriana, M. Joost, Morning Glory, Pres. McKinley, \$2.50; White Lawson, \$7, and Cardinal, \$12.

The Storrs & Harrison Co., Painesville, O.

Carnation—Carnation Candace, \$2 per doz.; \$12 per 100; \$100 per 1,000. Dissemination 1906.

Indianapolis Flower & Plant Co., and John Hartje, Indianapolis, Ind.

Carnation—Carnation cuttings. W. H. Watson, Lapeer, Mich.

Chrysanthemum—Three new chrysanthemums, Majestic, Adela and Madonna, rooted cuttings, \$3 per doz., \$15 per 100; 2-in. pots \$20 per 100.

John Breitmeyer's Sons, Detroit, Mich.

Chrysanthemum—Chrysanthemum novelties: Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen, and all other novelties, 50c each; \$5 per doz.; Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per doz. Send for list.

Charles H. Totty, Madison, N. J.

Chrysanthemum—Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1906 describes them all.

Nathan Smith & Son, Adrian, Mich.

Chrysanthemum—Fine plants, ready to ship, from soil or sand. White, per 100; Estelle, Kalb, Robinson, Polly Rose, Wanamaker, \$2; Eaton, \$2.50; Bonaffon, Snow Queen, Merry Christmas, Mayflower, Ivory, J. Jones, \$2; H. Plumbridge, \$3. Yellow, per 100: October Sunshine, Monrovia, Major Bonaffon, Appleton, Y. Jones, Y. Mayflower, Beauty, Mournier, Omega, \$2; Y. Eaton, Golden Wedding, \$2.50; Wm. Thirkell, T. W. Pickett, H. S. Valis, Kimberly, \$3. Pink, per 100: Duckham, Cobbold, Balfour, \$3; Glory of Pacific, Pink Ivory, M. Newell, J. K. Shaw, Perrin, M. Liger, Lavender Queen, Richardson, Murdoch, V. Morell, \$2. Red, per 100: Oakland, Paul Labbe, Black Hawk, \$2.50.

Wietor Bros., 51 Wabash Ave., Chicago.

Chrysanthemum—Rooted cuttings, Wm. Duckham, Ben Wells, F. A. Cobbold, Leila Filkins, \$3 per 100; Dr. Enguehard, \$4; Mrs. Thirkell, \$2. No order filled less than \$1.

W. A. Chalfant, Springfield, Mo.

Chrysanthemum—Strong rooted cuttings, early chrysanthemums: Opah, Mme. Bergman, Willowbrook and October Sunshine.

Ell Cross, Grand Rapids, Mich.

Chrysanthemum—Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

Chrysanthemum—Rooted cuttings ready now. All best commercial varieties, also some of tried newer sorts. First-class stock.

Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemum—Strong, well rooted cuttings, Wm. Duckham, Dr. Enguehard, \$2.50 per 100; Ben Wells, F. S. Vallis, Mrs. E. Thirkell, Mildred Ware, Mrs. T. W. Pickett, \$1.50 per 100. For \$1 we will mail 6 rooted cuttings of each of the above. They will reach you without further expense. From these early cuttings stock can be increased six-fold by planting time. Send for complete price list.

The Wm. Scott Co., Corfu, N. Y.

Chrysanthemum—Early Chrysanthemums, \$2.50 per 100; Ivory, Lady Fitzwygram, Mme. Bergman, Monrovia, Omega, Opah, Polly Rose, Glory of Pacific, Wm. Simpson.

The Storrs & Harrison Co., Painesville, O.

Chrysanthemum—Geo. A. Kuhl, Pekin, Ill.

Chrysanthemum—Rooted cuttings, 2,000 G. S. Kalb, 200 Florence Teal, 200 Glory of Pacific, 400 Polly Rose, 100 Willowbrook, 200 Golden Trophy, 300 Mrs. H. Robinson, 1,000 Bride, 500 Appleton, 400 Minerva, 500 Childs, 300 Philadelphia, 2,000 Niveus, 1,000 Mutual Friend, 2,000 Robert Halliday, 1,000 Ivory, 500 Cullingfordi, 500 Blackhawk, 2,000 Golden Wedding, 1,000 W. H. Lincoln, 500 Maud Dean, 400 Nagoya, 300 Mme. Perrin, 300 T. Eaton, 3,000 M. Bonaffon, 500 Adula. Orders for any of above can be filled at once; \$1.50 per 100; \$12.50 per 1,000.

W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Chrysanthemum—Chrysanthemum Appleton, Bonaffon, Glory of Pacific, Ivory and others, rooted cuttings, \$1, transplanted in flats \$1.50, from 2½-in. \$2 per 100.

L. J. Rowe, Titusville, Pa.

Cineraria—Benary's dwarf, budded, right for Easter, cut of 3-in., ready for 5-in., \$4 per 100.

Shellroad Greenhouses, Grange, Baltimore, Md.

Clematis—Clematis paniculata. W. & T. Smith Co., Geneva, N. Y.

Coleus—Ten varieties Coleus, 2-in. pots, March 1, \$2.

Jos. H. Cunningham, Delaware, O.

Coleus—Forty varieties, 70c per 100; \$6 per 1,000.

S. D. Brant, Clay Center, Kan.

Cyclamen—Splendens giganteum hybrids, in five true colors, seedlings, including fringed variety, \$4 per 100; \$35 per 1,000.

Lehnig & Winnefeld, Hackensack, N. J.

Cyclamen—Cyclamen giganteum, best strains, all colors, transplanted September, own stock, ready for 2½ and 3-in., \$2 per 100. \$18 per 1,000, express paid.

A. E. Wohlert, Bala, Pa.

Cyclamen—Cyclamen splendens giganteum hybrids in bud and bloom, from 5-in. pots, \$2.50 per doz., \$20 per 100.

Paul Mader, E. Stroudsburg, Pa.

Cyclamen—Once transplanted, ready March 1. \$2 per 100, \$18 per 1,000.

C. Winterich, Defiance, O.

Dahlia—Dahlia Sylvia, divided field roots, \$2 per doz., \$15 per 100.

Vaughan's Seed Store, Chicago and New York.

Dahlia—Dahlia, Mrs. Winters, \$10 per 100.

W. W. Willmore, Box 382, Denver, Col.

Dahlias—We wish to announce to the trade that we are successors to W. P. Peacock, dahlia specialist. Send for our beautifully illustrated descriptive catalogue for 1905, now ready.

L. K. Peacock, Inc., Atco, N. J.

Dahlia—Kaiserin Augusta Victoria, dbl., 4 to 6-in. diameter, stems 12 to 18-in. long, plants 3 to 3½ feet high, stock from 2½-in. pots \$3 per doz; \$20 per 100. Delivery May 1.

A. L. Miller, Jamaica Ave., Brooklyn, N. Y.

Dahlias—Fine collection dahlias, \$5 per 100.

H. H. Kern, Bonner Springs, Kan.

Daisies—Paris daisies, 2-in., 2c.

Byer Bros., Chambersburg, Pa.

Daisies—\$1 per 100.

S. D. Brant, Clay Center, Kan.

Daisies—Paris Daisy, glant, 2-in., 2½c.

Byer Bros., Chambersburg, Pa.

Deutzia—Easter stock. Deutzias for forcing, strong 2-year-old, field grown plants, for 6-in. pots. Gracilis rosea, \$1 per doz., \$8 per 100. Gracilis Lemolnel, \$1 per doz., \$8 per 100.

Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Dracena—Dracena Indivisa, per 100, 2½-in., \$2; 3-in., \$4.

The Storrs & Harrison Co., Painesville, O.

If you do not find what you need in our Ready Reference Department, write us about it:

Easter Lilies—Hinode Florist Co., Whitestone, L. I., N. Y.

Easter Stock—Easter lilies, hydrangeas, spiraea Gladstone, rhododendrons, genistas.

R. Dreyer, Woodside, L. I., N. Y.

Euphorbia—Euphorbia Crown of Thorns, 2½-in., \$5 per 100.

Iowa Seed Co., Des Moines, Ia.

Ferns—Boston Fern, 2½-in., strong, well grown, \$3 per 100.

Iowa Seed Co., Des Moines, Ia.

Fern—Nephrolepis Scottii, 6-in., pot grown, ready for 8-in., \$15 per doz.; 7-in., pot grown, \$24 per doz.; 8-in., pot grown, \$35 per doz.

John Scott, Keap St. Greenhouses, Brooklyn, N. Y.

Ferns, Etc.—Boston, Pieroni and Scottii ferns.

Geo. A. Kuhl, Pekin, Ill.

Ferns, Etc.—Boston ferns, for 5, 6, 7 and 8-in. pots at \$25, \$50, \$75 and \$100 per 100.

L. H. Foster, 45 King St., Dorchester, Mass.

Ferns—Fancy ferns, \$1.50 per 1,000; dagger ferns \$1.25 per 1,000; galax 75c per 1,000; \$5.50 per case 10,000; laurel festooning 4c, 5c, 6c per yd.; wild smilax \$5.50 per 50-lb. case; laurel and Princess pine wreaths.

Crowl Fern Co., Millington, Mass.

Fern—Boston fern, 2½-in., \$3; assorted ferns for dishes, \$3.

The Storrs & Harrison Co., Painesville, O.

Ferns—Ferns in 4, 5 and 6-in. pots, strong, healthy, well rooted from bench at 15c, 20c and 30c respectively.

John Brod, Niles Center, Ill.

Ferns—Assorted ferns, \$5 per 100, ready for fern dishes.

C. A. Knapp, Chestnut Hill, Philadelphia, Pa.

Feverfew—Plants, 2½-in. pots \$2.50 per 100; Rooted cuttings, \$1 per 100.

Ludvig Mosbaek, Onarga, Ill.

Feverfew—Little Gem, 2½-in., 60c per doz., \$4 per 100.

Henry A. Dreer, Philadelphia, Pa.

Fuchsias—Fuchsias, rooted cuttings, 5 best varieties, 90c per 100.

Byer Bros., Chambersburg, Pa.

Fuchsias—Fuchsias, rooted cuttings \$1 per 100; 2½-in. pots, \$2.50 per 1,000.

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Gardenias—Gardenia plants and jessamine, our leading specialty. Natural growing conditions here ideal. 1 yr., 18-24-in., \$1.50 per doz.; \$10 per 100.

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Fuchsias—Fuchsias, rooted cuttings and plants.

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John Brod, Niles Center, Ill.

Geranium—Geranium William Languth, 2½-in., \$4 per 100; Lady Plymouth, sweet-scented, variegated, 2½-in., \$5 per 100.

Iowa Seed Co., Des Moines, Ia.

Geranium—Rooted cuttings, \$10 and \$12 per 1,000.

Albert M. Herr, Lancaster, Pa.

Gladiolus—Gladiolus bulbs and bulbets, all sizes.

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Iowa Seed Co., Des Moines, Ia.

Heliotrope—Rooted cuttings, \$1 per 100.

Byer Bros., Chambersburg, Pa.

Heliotrope—Heliotrope, 75c per 100, rooted cuttings.

Byer Bros., Chambersburg, Pa.

Heliotrope—Rooted cuttings, 12 varieties, \$1 per 100; \$8 per 1,000.

S. D. Brant, Clay Center, Kan.

Hemerocallis—Hemerocallis Fulva, \$2 per 100.

H. H. Kern, Bonner Springs, Kan.

Hibiscus—Hibiscus Peachblow, 2½-in., \$3 per 100.

Iowa Seed Co., Des Moines, Ia.

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Hollyhocks—Dreer superb double hollyhocks, separate colors, \$1.25 per doz., \$10 per 100.

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Hydrangea—3,000 hydrangeas, 75c to \$5 each, for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Hydrangea—Hydrangea otaksa.

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Hydrangea—Hydrangea paniculata grandiflora, 2½ to 3 feet, \$1.50 per 100, \$11 per 1,000; 12 to 18-in., \$1 per 100, \$8 per 1,000. Otaksa, Red branched, Thos. Hogg, 2-yr. pot grown, \$5 per 100, \$35 per 1,000.

Vaughan's Seed Store, Chicago and New York.

Iris—German Iris, \$2 per 100.

H. H. Kern, Bonner Springs, Kan.

Ivy—German ivy, 2-in., \$2.50 per 100.

Geo. M. Emmans, Newton, N. J.

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Japanese Novelties—Tiny plants in 2 and 3-in. decorated Japanese pots, \$15, \$20 and \$25 per 100. Rhapls, 5 to 16 shoots 50c each.

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Lilium Longiflorum—Bulbs, 9 to 10-in., fine lot.

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Orchids—Orchids, per 100: Cypripedium insigne, \$3; Cypripedium callosum, \$20; Cypripedium Laurenceanum, \$25; Dendrobium formosum, giganteum, \$9 per doz.; \$70 per 100; Vanda Coerulea, 10 to 12 lbs., \$15 per doz.; 12 to 15 lbs., \$22 per doz.

Julius Roshrs Co., Exotic Nurseries, Rutherford, N. J.

Palms, Etc.—Growers and importers, palms and ferns; decorative plants.

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Palms, Etc.—Palms, ferns and decorative plants.

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Palms, Etc.—Latania Bor., 2-in. pot, seed leaves, \$3 per 100; Latania Bor., 3-in. pot, 15-18-in., 2-3 chr. lvs., \$12 per 100; Latania Bor., 5-in. pot, 18-20-in., 3-4 chr. lvs., \$15 per 100; Latania Bor., 6-in. pot, 20-24-in., 4 chr. lvs., \$20 per 100. Kentia Bel., 2½-in. pot, 6-8-in., 2 leaves, \$10 per 100; Kentia Bel., 3-in. pot, 8-10-in., 3-4 leaves, \$12.50 per 100; Kentia Bel., 4-in. pot, 12-15-in., 4-5 leaves, \$16 per 100.

Sherman Nursery Co., Charles City, Ia.

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Palms—Small palms from 2½-in. pots, per 100: Kentia Belmoreana, \$6; Areca Lutescens, \$4; Latania Borbonica, \$3; Cocos Weddelliana, \$8.

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Pandanus Veitchii—To make room, our entire stock, 2½ to 3-in. and 4-in. pots at the uniform price of \$20 per 100, in assortment. Express paid.

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Pansies—100,000 now in bloom, extra large field grown plants; they are the kind that sell, \$2 per 100, \$20 per 1,000.

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Iowa Seed Co., Des Moines, Ia.

Petunias—10 best sorts, \$1.00.

Byer Floral Co., Shippensburg, Pa.

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S. D. Brant, Clay Center, Kan.

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Henry A. Dreer, Philadelphia, Pa.

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Rose—Baby Rambler, ever blooming, dwarf crimson, 3-in. pot plants (grafted) ready April 15, \$4.50 per doz.; \$35 per 100. 2½-in. pot plants, April delivery, per doz., \$3; per 100, \$20.

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Roses—Young stock of roses ready to ship, from 2-in. pots: Bride \$3 per 100, \$25 per 1,000; Bridesmaid \$3 per 100, \$25 per 1,000; Meteor \$4 per 100, \$30 per 1,000; Golden Gate \$3 per 100, \$25 per 1,000; Chatenay \$3 per 100, \$25 per 1,000; Kaiserin, \$4 per 100, \$35 per 1,000.

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H. C. Steinhoff, W. Hoboken, N. J.

Roses—Rooted cuttings, Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Golden Gate, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000.

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Roses—60,000 grafted roses for forcing. Delivery April, May, June. Liberty, rose pots, \$2 per 100; 3½-in. pots, \$18 per 100; Brides, Bridesmaids, Golden Gate, Kaiserin rose pots, \$10 per 100; 3½-in. pots, \$15 per 100.

J. L. Dillon, Bloomsburg, Pa.

Roses—Roses, 2½-in. pots, \$2.50 per 100; Universal Favorite, Evergreen Gem, Bessie Brown, Manda's Triumph, So. Orange Perfection, White Memorial, Yellow Rambler, Gardenia, Helen Gould, Mme. de Watteville, Francisca Krueger, Mary Washington, Champion of the World, Emile Gonin, Frances E. Willard, Bridesmaid, Bride, Halloween. Strong semi-dormant plants, splendid for spring sales or for planting.

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Vaughan's Seed Store, Chicago and New York.

Roses—Roses, 2½-in. pots, strong plants. Maid, Bride, White and Pink Cochet, \$2.50 per 100, \$20 per 1,000. American Beauties, 2½-in. pots, \$5 per 100; \$40 per 1,000; 3-in. pot plants, \$6 per 100, \$50 per 1,000.

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Roses—The fine new pink rose, La Detroit, 2½-in. pots, \$8 per 100; \$75 per 1,000. General MacArthur, 2½-in. pots \$8 per 100; \$75 per 1,000.

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Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

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Salvia—Salvia, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides possessing more than all the good qualities of other good salvias it can be had in bloom for Thanksgiving and Christmas. Write for descriptive catalogue. 2-in. pots, \$1 per doz.; \$6 per 100; 4-in. pots, \$2 per doz.; \$12.50 per 100.

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Frank A. Pierson, Cromwell, Conn.

Salvias—Rooted cuttings and plants. Ludvig Mosbaek, Onarga, Ill.

Salvias—6 varieties, \$1 per 100, \$8 per 1,000.

S. D. Brant, Clay Center, Kan.

Salvias—Bonfire and St. Louis, \$1 per 100, \$8 per 1,000.

C. Humfeld, Clay Center, Kan.

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C. C. Pollworth Co., Milwaukee, Wis.

Snapdragon—Three fine snapdragons, our giant pink, a grand white, and a fine yellow, \$6 per 100; \$50 per 1,000.

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Verbenas—Mammoth verbenas, 60c per 100; \$5 per 1,000.

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J. L. Dillon, Bloomsburg, Pa.

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S. D. Brant, Clay Center, Kan.

Verbenas—Rooted cuttings, 60c per 100.

Byer Bros., Chambersburg, Pa.

Vinca—Vinca variegata, 3-in. pots, \$5 per 100.

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Vinca variegata—Vinca variegata, 4-in. pots, \$1.50 per doz., \$10 per 100, \$90 per 1,000; 10 per cent discount, cash orders during month of March.

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Aster—Aster Kate Lock, 48 in. high. White, Daybreak, and mixed, \$2 per 1,000 seeds. Not less than 1,000 seeds sold.

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Aster—Seed of the Carlson, 1 pkt., 20c; 3 pkts., 50c; ¼ oz., 30c; 1 oz., \$1. Branching or Semple, 1 pkt., 10c; ¼ oz., 20c; 1 oz., 60c; 1 lb., \$6.50. Vaughan's upright white branching, trade pkt., 10c; ¼ oz., 20c; oz., 65c. Vaughan's upright pink branching, trade pkt., 10c; ¼ oz., 20c; oz., 65c. New everblooming aster Ideal, trade pkt., 15c; ¼ oz., 30c; 1 oz., \$1.

Vaughan's Seed Store, Chicago and New York.

Begonia—Begonia, single flowered, separate colors, 40c per doz., \$3 per 100; mixture, 35c per doz., \$2.50 per 100; dbl. flowered, separate colors, 65c per doz., \$5 per 100; mixture, 50c per doz., \$4 per 100. LaFayette, 25c each, \$2.65 per doz., \$18 per 100.

Vaughan's Seed Store, Chicago and New York.

Bulbs—Ward's high grade bulbs and plants.
Ralph M. Ward & Co., 17 Battery Place, New York.

Bulbs—Spring or fall delivery, for florist's use. We import to order, bulbs and plants.

August Rolker's Sons, 31 Barclay St., New York.

Bulbs—Double narcissus Von Slon, single narcissus, Golden Spur, Spiraea Superba, Paonia C. festiva maxima.
Warnaar & Co., Sassenheim, Holland.

Bulbs—Holland bulbs and plants, wholesalers growers hyacinths, tulips, narcissus, crocus, spiraea, gladiolus, paonias, etc. Special prices French bulbs, Roman hyacinths, Paper White, etc.

Van Zanten Bros., Hillegom, Holland; G. Hylkema, care Maltus & Ware, 136 Water St., New York.

Bulbs—Bermuda Harrisli bulbs. July and August delivery.
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Cabbage—Seed Early All Head, 20c per oz.; 60c per ¼ lb.

Vaughan's Seed Store, Chicago and New York.

Caladium—Caladium, 5-7-in. circumference, 40c per doz., \$2.50 per 100; 7-9-in. circ., 60c per doz., \$4 per 100; 9-12-in. circ., 95c per doz., \$7 per 100; 12-in. and up, \$1.75 per doz., \$14 per 100.

Vaughan's Seed Store, Chicago and New York.

Celery—Seed White Plume and Snow White, 10c per pkt.; 15c per ½ oz.; 25c per oz.

Vaughan's Seed Store, Chicago and New York.

Egg Plant—Seed of New York Improved, 1 pkt., 5c; ½ oz., 15c; 1 oz., 25c. Vaughan's Seed Store, Chicago and New York.

Gladiolus—Gladiolus in variety.
W. W. Wilmore, Box 382, Denver, Colo.

Gladiolus—Gladiolus Angele, 90c per doz., \$6.50 per 100; Augusta, 50c per doz., \$3 per 100, \$26 per 1,000; Brencleyensis, 20c per doz., \$1.35 per 100, \$11.50 per 1,000; Ceres, 20c per doz., \$1.25 per 100, \$10.50 per 100; Eugene Stribe, 70c per doz., \$5.50 per 100; Mme. Moneret, 20c per doz., \$1.50 per 100. Vaughan's Seed Store, Chicago and New York.

Lettnes—Seed, Black Seeded Simpson, Vaughan's select stock, oz., 10c; ¼ lb., 25c; 1 lb., 80c.

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Lily of the Valley—Berlin and Hamburg pips, \$10 per 1,000; \$22.50 per case, containing 2,500.

Bobbinck & Atkins, Rutherford, N. J.

Lily of the Valley—Pips, largest and finest stock in splendid condition, \$24 per case of 3,000; 2 or more cases at \$7.50 per 1,000.

J. M. Thorburn & Co., 36 Cortlandt St., New York.

Lily of the Valley—Forcing pips.
Julius Hansen, Pinneberg, Germany.

Lily of the Valley—Pips, \$12 per 1,000, \$1.50 per 100. Good grade pips, \$7.50 per 1,000, \$21 per 3,000.

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Radish—Seed of Scarlet Globe, Vaughan's select stock, 1 oz., 10c; ¼ lb., 30c; 1 lb., 70c.

Vaughan's Seed Store, Chicago and New York.

Seeds—Rawson's Arlington tested seeds for the florist. Catalogues mailed free.

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W. Atlee Burpee Co., Philadelphia, Pa.

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A. J. Brown Company, Grand Rapids, Mich.

Seeds—3,700 acres of garden seeds in cultivation; wholesale seed growers. Brazilian Seed Growers' Co., San Jose, Cal.

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Vaughan's Seed Store, Chicago and New York.

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Vaughan's Seed Store, Chicago and New York.

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Vaughan's Seed Store, Chicago and New York.

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E. C. Amling, 32-36 Randolph St., Chicago, Ill.

E. H. Hunt, 76 Wabash Ave., Chicago, Ill.

Michigan Cut Flower Exchange, 35-40 Miami Ave., Detroit, Mich.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Welch Bros., 15 Province St., Boston, Mass.

The Cleveland Cut Flower Co., 52-54 High St., Cleveland, Ohio.

Kennicott Bros. Co., 40-44 Randolph St., Chicago, Ill.

C. A. Kuehn, 1122 Pine St., St. Louis, Mo.

William Ghormley, 57 W. 28th St., New York.

Moore, Hentz & Nash, 55-57 W. 26th St., New York.

J. K. Allen, 106 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Jos. S. Fenrich, 48 W. 30th St., New York.

A. L. Randall Co., 19 Randolph St., Chicago.

James Hart, 117 W. 30th St., New York.

John Young, 51 W. 28th St., New York.

Chas. W. McKellar, 51 Wabash Ave., Chicago.

Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

J. B. Deamud, 51 Wabash Ave., Chicago.

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 A. L. Young & Co., 54 W. 28th St., New York.
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 Charles Millang, 50 W. 29th St., New York.
 Traendly & Schenck, 44 W. 28th St., New York.
 Walter F. Sheridan, 39 W. 28th St., New York.
 Chas. Chadwick, Cor. Fulton and La-grave Sts., Grand Rapids, Mich.
 New York Cut Flower Exchange, John Donaldson, Sec'y, Coogan Bldg., 6th Ave. and W. 26th St., New York.
 Edward C. Horan, 55 W. 28th St., New York.
 Alfred H. Langjahr, 55 W. 28th St., New York.
 Alex. J. Guttman, 52 W. 29th St., New York.
 Philadelphia Cut Flower Co., 1516-18 Sansom St., Philadelphia, Pa.
 J. B. Murdoch & Co., 545 Liberty Ave., Pittsburg, Pa.
 Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.
 John I. Raynor, 49 W. 28th St., New York.
 William Murphy, 128 E. 3d St., Cincinnati, O.

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 The Benthley-Coatsworth Co., 35 Randolph St., Chicago.
 Flower Growers' Market, 50 Wabash Ave., Chicago.
 Sinner Bros., 58 Wabash Ave., Chicago, Ill.
 Geo. Reinberg, 51 Wabash Ave., Chicago, Ill.
 Poehlmann Bros. Co., 35-37 Randolph St., Chicago, Ill.
 D. Wood Brant, 58-60 Wabash Ave., Chicago, Ill.
 Bassett & Washburn, 76-78 Wabash Ave., Chicago, Ill.
 South Park Floral Company, Heller Bros., New Castle, Ind.
 Peter Welland, New Castle, Ind.
 Welland & Risch, 59 Wabash Ave., Chicago.
 Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.
 J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.
 Berger Bros., 1220 Filbert St., Philadelphia, Pa.
 Wietor Bros., 51 Wabash Ave., Chicago.
 Peter Reinberg, 51 Wabash Ave., Chicago.
 John Wolf, Savannah, Ga.

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 Mark Aitken, 378 Main St., Springfield, Mass.
 Sievers & Boland, 33 Post St., San Francisco, Cal.
 A. Gude & Bro., 1214 F St., Washington, D. C.
 Mills, the Florist, 36 W. Forsyth St., Jacksonville, Florida.
 Fred C. Weber, 4320-28 Olive St., St. Louis, Mo.

The Park Floral Co., J. A. Valentine, president, Denver, Colo.
 C. C. Pollworth Co., Milwaukee, Wis.
 John Breitmeyer's Sons, Cor. Miami and Gratiot Aves., Detroit, Mich.
 P. J. Hauswirth, Auditorium Annex, Chicago.
 Hess & Swoboda, 1415 Farnam St., Omaha, Neb.
 Leikens, 7 E. 33d St., New York.
 John Mangel, Cor. Wabash Ave. and Monroe St., Chicago.
 Joseph R. Freeman, 612, 13th St. N. W., Washington, D. C.
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Artificial Leaves—All styles in hundreds of different designs.
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 Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.
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 Hilfinger Bros., Fort Edwards, N. Y.
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 The Keller Pottery Co., 213-223 Pearl St. Norristown, Pa.
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 A. Hermann, 404-12 E. 34th St., New York.
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 The Kervan Co., 20 W. 27th St., New York.

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 George Cotsonas & Co., 45 W. 29th St., New York.
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Greens—Specialties: galax leaves, ferns and leucothoe sprays, holly, Princess pine; all kinds of evergreens. Galax leaves, 75c per 100.
 N. LeCakes & Co., 53 W. 28th St., New York.
Greens—Asparagus plumosus, 50c per string.
 W. H. Watson, Lapeer, Mich.
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Greens—Galax leaves and all decorative greens.
 Reed & Keller, 122 W. 25th St., New York.
Greens—Dagger and fancy ferns; bronze and green galax, laurel festooning, green and sphagnum moss, ivy leaves, sprengerii, asparagus, leucothoe sprays.
 Henry M. Robinson Co., 8-11 Province St., Chicago.
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Building Material—Our designs embody best features greenhouse construction; best grade gulf cypress used. Red cedar posts, iron fittings, hot-bed sash. Lockland Lumber Co., Lockland, O.

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Glass—Good brands, quick shipments, large stock; warehouse on railroad switch. Be sure and get our prices. Sharp, Partridge & Co., 22d St. and Union Place, Chicago, Ill.

Glass—Tank window glass. Hothouse glass a specialty.

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Greenhouse Construction—Eureka greenhouses the best and lowest in price. All houses erected at factory and shipped to purchasers with blue prints, photographs and plain directions so any person can put up.

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Gutters—Jennings improved iron gutter.

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Steam Traps—The Standard return steam trap has no equal for simplicity of working.

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Steam Traps—Morehead traps insure free circulation in coils. Save fuel.

American Blower Co., Detroit, Mich.

Tiling—Floor tile. I have about 35,000 feet second hand floor tile in good condition for sale at a bargain. Small quantities if needed.

Clare, 170 Madison St., Chicago.

Ventilating Apparatus—Send for prices and catalogues.

S. Jacobs & Sons, 1365-1373 Flushing Ave., Brooklyn, N. Y.

Ventilators—We furnish high grade ventilating apparatus, raising the sashes in greenhouses and other buildings.

Lord & Burnham Co., 1133 Broadway, New York. General office and works, Irvington-on-Hudson, N. Y.

Ventilators—The New Departure ventilating appliance, cheapest and best. If you doubt, try it and be convinced.

J. D. Carmody, Evansville, Ind.

Ventilating Apparatus—Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Ventilating Apparatus—Send for circulars.

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Ventilators—Evans' Improved Challenge ventilating apparatus.

Quaker City Machine Works, Richmond, Ind.

Ventilators—The Standard ventilating machinery; original machine with self-rolling cups; most powerful, least complicated, very compact.

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Ventilators—Foley ventilating apparatus.

Foley Mfg. Co., 471 W. 22d St., Chicago.

Ventilators—Hand ventilators, etc. The King Construction Co., N. Tonawanda, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HANDY MANUAL (J. W. Johnson).—A new work, fully illustrated with plans, etc., on greenhouse heating and ventilating, by a practical steam and hot water heating engineer of long experience. Replete with valuable information. 125 pages. \$1.00.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

MUSHROOMS: HOW TO GROW THEM (Falcener).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. \$1.50.

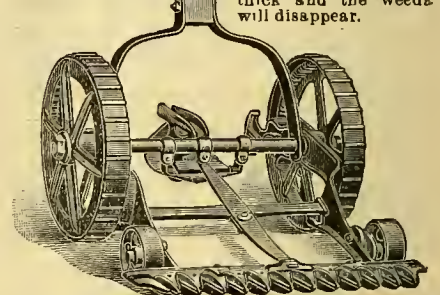
SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the largest glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, \$1.00.

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Please mention the American Florist when writing.

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For Horticulturists and Orchid Growers.

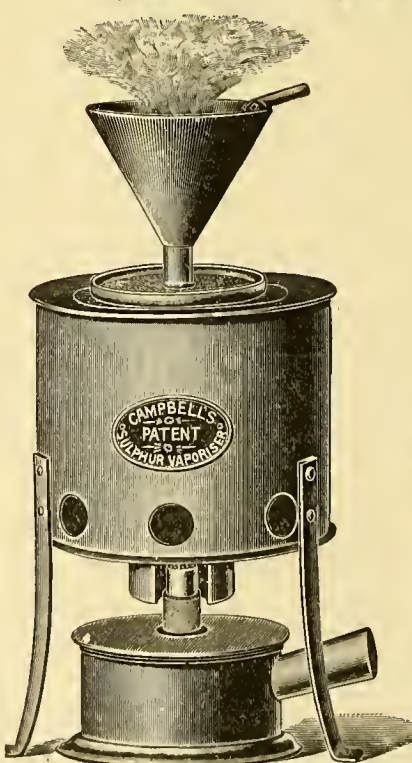
EDITED AT PARIS BY

Lucien Chaure and Otto Ballif.

The representative Gardening Paper of French Florists, Seedsmen and Nurserymen. Sample copies free. The largest circulation in France, Belgium, Italy and Switzerland. Twice every month. Subscription per year: With the colored plates, \$2.30; without the colored plates, \$1.20.

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GREAT BRITISH SUCCESS CAMPBELL'S PATENT SULPHUR VAPORISER.



An apparatus which safely vaporises sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, Strawberries, Etc. Also kills that dreaded pest Red Spider.

Hundreds of Unsolicited Testimonials.

Royal Irish Nurseries, Newtownards, Co. Down, May 13, 1903.

Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

The Nurseries, Exmouth, Devon, October 17, 1903.

I have given your Patent Sulphur Vaporiser a thorough trial, and am more than pleased with the result. Generally, before housing my Show Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY,

Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet, the tube of which is loosely closed by a pyramidal hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside, thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

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The American Patent Rights of this apparatus are on sale. For particulars apply

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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXIV.

CHICAGO AND NEW YORK, APRIL 1, 1905.

No. 878

THE AMERICAN FLORIST

TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. C. VAUGHAN, Chicago, president;
J. R. FREEMAN, Washington, D. C., vice-president;
WM. J. STEWART, 11 Hamilton Place, Room
11, Boston, Mass., secretary; H. B. BEATTY, Oil
City, Pa., treasurer. Twenty-first annual meeting
at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
March, 1906. WM. J. STEWART, 11 Hamilton Place,
Boston, Mass., secretary.

AMERICAN PEONY SOCIETY.

Exhibition at Chicago about June 15. ARTHUR
H. FEWKES, Newton Highlands, Mass., secretary.
J. B. DEANUD, 51 Wabash Avenue, Chicago,
exhibition manager.

AMERICAN ROSE SOCIETY.

Sixth Annual Meeting, Boston, Mass., March 23-26.

Boston Gets Next Convention.

The annual meeting of the American Rose Society was held in the directors' room of the Massachusetts Horticultural Society, Boston, Friday, March 24, 1905. The meeting was opened a few minutes after eleven o'clock by President Alexander Montgomery, there being about forty present. Although in comparison with the large number of rose growers and enthusiasts in the country, the attendance seemed small, yet the few who had journeyed to the east to attend the convention fully compensated in enthusiasm for the lack in numbers. There was not one uninteresting minute even to the onlooker during the two hours' deliberation enjoyed by the society. President Montgomery's opening address was very interesting and will be found in this issue in full.

The reports of Secretary Wm. J. Stewart and Treasurer John N. May were then read and adopted.

On motion of Robert Simpson, of Clifton, N. J., a vote of thanks was passed to the several donors of the special premiums offered by the society at its exhibition.

The essayist of the meeting, M. H. Walsh, of Woods Hole, Mass., then read an intensely interesting paper on "Hardy Garden Roses." On motion of Henry Siebrecht, of New Rochelle, N. Y., a vote of thanks was passed to the essayist and the president was authorized to appoint a committee on publication to issue a bulletin to the members that would disseminate knowledge and educate them in the cultivation of roses.

A discussion followed the reading of Mr. Walsh's paper and James Wheeler, of Brookline, Mass., advised Americans to go slow in regard to roses for there were but few varieties adapted to our climate, and thought that we should exert ourselves in hybridization and originate varieties that would flourish here. The essayist answered that there were many varieties that would produce satisfactory results if properly

planted and cared for. Robert Simpson remarked that in his opinion education in rose culture was what was desired and the public should be warned not to purchase the cheap Dutch stock rose bushes, that were imported each year in such large quantities, as they were not at all adapted to our soil and climate and generally resulted in failures. The people should be informed what to buy and where to procure them.

A. Fahrenwold, of Hillside, Pa., said that the society needed to show a more aggressive spirit and do a little more hustling. He compared the work of the rose society with that of the American Carnation Society which he said was composed of hustlers, who pushed their product all the time, making exhibits continually whether it was their show or some other society's exhibition. He thought that all the members should try and get everybody interested.

Frank L. Moore, of Chatham, N. J., asked if a list of six best varieties of outdoor roses could be named that were perfectly hardy. The essayist of the meeting responded to this question saying that he would name six varieties that were hardy in New England, but that much depended on the procuring of good stock and proper planting, for no rose would grow and live in a bank of sand. With proper soil and location and good care the following list would be found perfectly hardy:

HYBRID PERPETUALS.

Baroness Rothschild.	Baron de Bonstetten.
Cllo.	Ulrich Brunner.
Prince Camille de Rohan.	Captain Hayward.

HYBRID TEAS.

Caroline Testout.	Maman Cochet.
Mme. A. Chateau.	Captain Christy.
Kaiserin Augusta.	La France.
Victoria.	

RAMBLERS.

Sweetheart.	Debutante.
Farquhar.	Philadelphia Rambler.
Lady Gay.	

He thought that the Dutch roses had been the cause of more disappointment than anything else. They were grown on a wet swampy land and imported in the fall and planted in a shallow soil,

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April 15, 1905.

often too sandy, and if they survived the winter, languished through the spring and died during the summer months.

Henry Siebrecht thought that the society should endeavor to stop the importation of the cheap stock, that efforts should be made to raise the duty and produce our own budded rose in this country.

W. P. Craig said that he would like to substitute some varieties that he had found satisfactory with him, for the list presented by the essayist and advised the following six: John Hopper, Mrs. John Laing, Mme. Gabriel Luizet, Gen. Jaqueminet, Paul Neyron and Ulrich Brunner, and would add Dorothy Perkins to the list of climbers.

Benjamin Hammond of Fishkill, N. Y., approved of the publication of the bulletin as proposed during the meeting and offered to pay for the printing of 10,000 such bulletins when issued, and on motion of W. H. Elliott the offer was accepted and the society passed a vote of thanks for the same.

Boston was then selected as the place of meeting for 1906, and the secretary was instructed that the schedule of prizes be issued not later than November 1, 1905.

The nominating committee consisting of Henry Siebrecht and A. H. Langjahr reported the following list of officers for the coming year: President, Alexander Montgomery, Natick, Mass.; vice-president, Robert Simpson, Clifton, N. J.; secretary, Wm. J. Stewart, Boston, Mass.; treasurer, Harry O. May, Summit, N. J. These gentlemen were unanimously elected to the several positions.

M. H. Walsh and A. Fahrenwold were elected members of the executive committee for three years and W. P. Craig, North Easton, Mass., was elected a member of the committee for two years to fill the unexpired term of Robert Simpson who was elevated to the vice-presidency. The meeting then adjourned.

President Montgomery's Address.

We have met again to take note of our progress and do homage to our queen, and although we have hardly made the progress that the American Rose Society is entitled to considering the vast amount of capital invested in the business and the number of able men who make the cultivation of the rose their life work, yet I think that we are beginning to see light ahead. There have been suggested various reasons to account for the slow progress which this society has made. It has been charged against us that we are not national in that we have failed to cover the principal cities of the country, but, with patience on the part of our critics and with the co-operation of those to whom this society has a right to look to for its support, we will yet visit them all. The few pioneers who have done so much to nurse this society along are entitled to our gratitude for work done, and when the time comes for the Rose Society to start on its peregrinations I think I do not err in saying that it will have the hearty co-operation of those who have stood by it thus far. Distance will not diminish their interest in the flower of flowers nor the society which stands for its advancement.

The rose has not lacked for enthusiasts any more than the carnation, but it has missed that incentive to bring rose men together that the carnation men have had, namely, something new. The shows have had but little variety; practically the same few varieties were forthcoming year after year, a little larger or smaller as we happened to carry them in our minds, or whether they happened to be ours or the other fellow's flowers, but evidence is not wanting that this will all be changed in the near future and we expect to again hear the cry go forth as it did in '61; but this time, thank God, it is not the soldier but the enthusiastic rosarian who raises the cry, "On to Richmond." The American rose grower has at last awakened to the fact that if a race of roses adapted to his needs is to be forthcoming, it must be done by himself. He has paid in the past thousands of dollars for European varie-



Alexander Montgomery.
(President American Rose Society.)

ties that were seldom suited to his requirements, notwithstanding that they might be all that the raiser claimed for them when growing under their own conditions.

This applies in large measure to roses for outdoor cultivation as well as to those grown under glass, and I am inclined to think that the former is the larger field for the hybridist, and with a reasonable amount of encouragement, I predict that the near future will see commendable progress made in a truly American type of roses adapted to the climatic conditions found here. It should be the duty of this society to encourage in every way possible the rose hybridist, as in large measure the future of the society will depend on him for the stimulating interest created by having something new. The commercial man ought to be alive to the fact that if the rose is to hold the place of honor and profit he must have something to keep the buying public from becoming tired of seeing only the few familiar old varieties, however meritorious they may be.

A proceeding that I think would be of especial benefit to the introducer and buyer of new roses would be for

this society to appoint local committees at the large centers, after the method of the Chrysanthemum Society, to whom flowers could be sent to be judged according to the scale of the American Rose Society. For convenience this could be done at the various fall shows and being judged by the official scale would be of value to all. The same committees could visit the new claimants in their home quarters and report on their winter qualities. These judges could be appointed by the executive committee and the chairman of these committees, or as many of them as were required could be judges at the annual show.

Now a word about the show itself. The schedule needs to be practically rewritten and adapted to the particular section of the country to which the show is to go the following year. A preliminary schedule should be sent out in the fall, otherwise the growers of pot roses are largely eliminated, and it will be in evidence at the Boston show that this can be made both an interesting and educational section of our shows. If possible a meeting of the executive committee should be held during the convention of the Society of American Florists, otherwise it will be almost impossible to get a majority of them together later in the season, as they are and should be men from wide apart sections of the country and find it difficult to leave their business later on.

In conclusion, I would ask one and all to stay and take part in this meeting and if they can offer anything for the good of this society it is their duty to do so. To the young men I would extend a pressing invitation to take part in these proceedings and if with their young and progressive ideas they can show us wherein a part of the machinery of this society has worn out or become obsolete, I promise them that to the best of my ability I will assist them to have it replaced by more modern works. Progress should be the hailing sign of this society, for the only place the American rosarian can afford to sit is in the very prow of the vessel even at the risk of an occasional wave splashing over him.

The Secretary's Report.

I have the honor to make the following report as secretary since the resignation of Leonard Barron last fall:

The number of members on the list when it came to my hands was 191, of whom thirty-six were life members, and 155 annual members. The majority of the latter had paid no assessments for two years or more. Bills were sent to all and the returns have been quite satisfactory, everything considered, as the treasurer's report will show. In the meantime five new life members and sixteen annual have been added.

Silver medals won two years ago, at the Annandale rose show by Crumwold Gardens, and at Lenox, Mass., by Giraud Foster, have been struck off and sent to their owners. Through an error in the schedule, a silver cup was awarded at Poughkeepsie the same year, instead of a medal, to F. Heermans of Lenox. F. R. Newbold, who was president of the American Rose Society at that time, has generously provided the cup and it has been forwarded, suitably engraved, to Mr. Heermans.



PART OF M. H. WALSH'S DISPLAY AT THE AMERICAN ROSE SOCIETY'S EXHIBITION, BOSTON, MASS., MARCH 23-26.

The sentiment all over the country towards this society is extremely cordial so far as I have been able to learn, and the outlook is most encouraging for the organization and the objects for which it stands.

WM. J. STEWART, Sec'y.

The Treasurer's Report.

In the absence of Treasurer John N. May, the report of the treasurer was read by Secretary Stewart of which the following is a summary:

RECEIPTS.

March 13, 1903, balance on hand	\$ 971.12
Annual Dues	442.20
Life Membership	250.00
Premium, R. Scott & Son.....	50.00
Premium, M. W. Walsh.....	25.00
Premium refunded by B. Dorrance	100.00
Interest on Life Mem. Fund.....	96.56
	\$1,934.88

PAYMENTS.

Premiums	\$ 782.00
Secretary's salary	100.00
Postage, cash and stationery.....	82.08
Medals and engraving.....	11.25
Life Membership Fund.....	250.00
Balance, Mar. 23, 1905.....	709.55
	\$1,934.88

Report of the Judges.

The awards for the exhibits of the American Rose Society are as follows:

TEAS AND HYBRID TEAS.

Twenty-five cut blooms (open to all): American Beauty, W. H. Elliott, second.

Bride, first, W. H. Elliott.

Bridesmaid, first, W. H. Elliott; second, Montrose Greenhouses.

Mme. Hoste, first, John Breitmeyer's Sons.

Souvenir de President Carnot, first, R. T. McGorum; second, J. McFarland. Golden Gate, first, Floral Exchange; second, Robert Simpson.

Bon Silene, first, John Breitmeyer's Sons.

Mrs. Oliver Ames, first, W. H. Elliott. Ivory, first, Floral Exchange, Edgely, Pa.

Safrano, first, W. H. Elliott. Liberty, first, W. H. Elliott; second, Waban Rose Conservatories.

Any other named disseminated variety, first prize "A," Mr. Fitzpatrick, Killarney; first prize "B," Robert Simpson, Uncle John; first prize "C," John Breitmeyer & Son, La Detroit.

Queen of Edgely, first, Floral Exchange, Edgely, Pa.

DIVISION B. (Open to growers having not more than 40,000 feet of glass in roses.) Twelve cut blooms.

American Beauty, first, Briarcliff Greenhouses.

Bride, first, Montrose Greenhouses; second, R. T. McGorum.

Bridesmaid, first, Montrose Greenhouses; second, Robert Montgomery.

Souvenir de President Carnot, first, T. McGorum; second, J. McFarland.

Mrs. Oliver Ames, Robert Montgomery, second.

HYBRID PERPETUALS. Twelve cut blooms, stems not less than 12 inches. Ulrich Brunner, first, J. McFarland.

Mrs. John Laing, first, J. McFarland.

DIVISION E. Open to private gardeners and amateurs only. Twelve cut

blooms. Magna Charta, first, Col. Charles Pfaff.

SPECIAL PRIZES FOR CUT BLOOMS.

Special prize presented by Benjamin Dorrance, for display of cut blooms of roses, not less than five varieties and not less than twenty-five blooms of any one variety, to be competed for by growers outside of a radius of 150 miles of Boston, Brant Brothers, Utica, N. Y., a silver cup.

Special prize offered by John B. Nugent, Jr., twenty-five blooms of any red rose not disseminated previous to 1903, first, John N. May, Gen. MacArthur.

Special prize offered by John B. Nugent, Jr., twenty-five blooms of any pink rose not disseminated previous to 1903, first, John Breitmeyer's Sons, La Detroit.

Special prize offered by President Alexander Montgomery, twenty-five blooms of any American seedling rose, introduced in or since 1901, John Breitmeyer's Sons, La Detroit.

Special prize offered by Siebrecht & Son, fifty blooms of Killarney, grown within 250 miles of Boston, Mr. Fitzpatrick.

Special prize offered by Treasurer John N. May, display of blooms not less than ten varieties, in a space of fifty square feet, Col. Charles Pfaff.

Executive committee's prizes, fifty blooms of American Beauty roses, first, Waban Rose Conservatories; second, Briarcliff Greenhouses.

Fifty blooms of any other variety, first, A. Fahrenwold, Liberty; second, W. H. Elliott, Liberty.

Six blooms of any variety introduced in 1901 or subsequently, first, John N. May, Gen. MacArthur.

Twenty-five blooms of any rose of American origin, not yet in commerce, either tea or hybrid tea, seedling or sport, Waban Rose Conservatories, Rose Wellesley.

Special prize offered by E. A. Clark, for twenty-five blooms of hybrid perpetual roses, not less than six varieties, for private gardeners only, Col. Charles Pfaff.

POT PLANTS, OPEN TO ALL.

Twenty-five hybrid perpetual roses in pots, not less than ten varieties, Miss S. B. Fay (M. H. Walsh, gardener), a silver cup presented by Col. Charles Pfaff.

Twelve hybrid perpetual roses in pots, not less than five varieties, W. W. Edgar, offered by M. H. Walsh.

Six plants, any one variety, in not larger than 8-inch pots, F. R. Pierson, Baby Ramblers.

Specimen plant, in pot, first, W. W. Edgar, Mme. Eug. Verdier; second, M. H. Walsh, Urania.

CLIMBING ROSES IN POTS.

Specimen plant, trained or not, in pot or tub, not less than 12-inch, first, M. H. Walsh, Lady Gay.

Display of Rambler and climbing roses in pots, covering not less than fifty square feet, M. H. Walsh, offered by F. R. Newbold.

Special Peter Crowe prize, for best vase of Bride and Bridesmaid, Waban Rose Conservatories, a gold medal.

Special Pierson & Sefton silver cup, for vase of fifty assorted roses, not less than three varieties, the Waban Rose Conservatories.

Special cup offered by A. H. Hews Company for best rose plant, not a climber, W. W. Edgar.

Special prize offered by Welch Brothers for best vase of roses in the hall, Waban Rose Conservatories.

Special Lord & Burnham trophy, Waban Rose Conservatories, first prize awarded in conjunction with the first prize for fifty American Beauty roses in class F.

Those Present.

The following members of the American Rose Society registered: Harry O. May, Summit, N. J.; Fred. R. Newbold, Poughkeepsie, N. Y.; A. Fahrenwold, Hillside, Pa.; Walter F. Sheridan, John B. Nugent, Jr., Frank H. Traendly, Alexander Guttman, New York; Benjamin Hammond, Fishkill, N. Y.; A. H. Langjahr, New York; Thos. P. Higgins, Norfolk, Conn.; Peter Fisher, Ellis, Mass.; Frank L. Moore, Chatham, N. J.; M. H. Walsh, Woods Hole, Mass.; Winifred Rolker, New York; Robert Simpson, Clifton, N. J.; Edward Walsh, Joseph Walsh, J. F. Walsh, Woods Hole, Mass. Others present were: Paul Dailedouze, Flushing, L. I.; James Hartshorne, Joliet, Ill.; F. R. Pierson, Tarrytown, N. Y.; Fred Breitmeyer, Detroit, Mich.; Peter Crowe, Utica, N. Y.; J. F. Hess, Hartford, Conn.; Henry Siebrecht, New Rochelle, N. Y.; Joseph Clarke, and E. O. Orpet, Lancaster; Charles Ingraham, Westerly, R. I.; James Scott, Tarrytown, N. Y.; Daniel McRorie, S. Orange, N. J.

The Banquet.

On Friday evening, March 24, the allied horticultural interests tendered to the members of the American Rose Society a banquet at the Thorndike hotel. At 7:15 p. m. the party, consisting of a hundred ladies and gentlemen, marched to the strains of orchestral music into the banquet hall of the hotel. The committee having the function in charge had beautifully decorated the room making the hall a veritable rose garden. Every lady had a large bunch of violets for her corsage, and in the words of the hotel proprietor it was "one of the prettiest dinners ever held in Boston." The tables were so arranged that twenty sat at a large oval head table and the rest at small tables, six at each, around the room.

After a hearty enjoyment of the repast the exercises were inaugurated by James Wheeler, president of the Boston Gardeners' and Florists' Club, who called the assemblage to order, wel-

comed the guests and introduced the toastmaster of the evening, W. J. Stewart.

Those present were then entertained with an intellectual treat for the balance of the evening by President Montgomery, President Traendly of the New York Florists' Club, C. H. Parker, Prof. Elson, Peter Crowe, Henry Siebrecht, Jackson Dawson, President Peter Fisher of the American Carnation Society, Benjamin Hammond, J. K. L. M. Farquhar, J. B. Nugent, Jr., of New York, Theodore Wirth, of Hartford, Conn., and M. H. Walsh.

During the evening the toastmaster presented the cup offered by Col. Charles Pfaff to Miss S. B. Fay the winner, M. H. Walsh responding in her behalf, the cup offered by M. H. Walsh to W. W. Edgar, the cup offered by Lord & Burnham and the medal offered by Peter Crowe to the Waban Rose Conservatories, President Alexander Montgomery responding to both offerings. At a late hour the party dispersed after having spent one of the most enjoyable evenings in the horticultural history of Boston.

President Alexander Montgomery.

Alexander Montgomery is so well known throughout the florist fraternity that an introduction seems hardly needed. For a quarter of a century he has presided over one of the foremost commercial rose-growing establishments on the American continent, and although he rarely allows himself to be drawn into prominence through anything he may say or write, yet he holds a position of honor and repute second to none. Mr. Montgomery's native reserve and unassuming characteristics have perhaps helped to secure him in the retired and unpretentious life that he seemed to prefer, but, as is generally the case, he has been at last called upon to emerge from his seclusion and assume the position of honor and usefulness for which his attainments have fitted him, and the American Rose Society is to be congratulated upon its wise choice. Mr. Montgomery's selection as the presiding officer of this body is truly an instance of the office seeking the man and not the man seeking the office, but, once in place, that gentleman can be relied upon to execute his charge with forceful ability, and the coming year will see a new life and ambition infused into the society devoted to the interests of the Queen of Flowers. The son of a gardener, being brought up from childhood in contact with gardening love, Mr. Montgomery comes naturally by his floricultural instincts and has that capacity for deep insight into the secrets of plant life which is always the best assurance of success. Asked on one occasion by a friend to explain the methods by which he produced the wonderful roses which have emanated from the Waban Rose Conservatories, his reply was simply, "By close application and watching of little details that are often overlooked because they appear trifling." The late Edmund M. Wood was a remarkable man in many respects, but in none of his moves did he show a wiser head than in the retention of Mr. Montgomery as manager of the vast range of rose houses at Natick. The Rose Society is also safe in that gentleman's hands.



EXHIBITION OF THE AMERICAN ROSE SOCIETY, BOSTON, MASS., MARCH 23-26.
(Three contestants for the Lord & Burnham trophy, best fifty blooms of American Beauty roses.)



DISPLAY OF ROSES AT THE AMERICAN ROSE SOCIETY'S EXHIBITION, BOSTON, MASS., MARCH 23-26.

Hardy Garden Roses.

BY M. H. WALSH, WOODS HOLE, MASS.

A great deal has been written by eminent rosarians and poets so often have sung the praises of the most beautiful of flowers, the queen of them all, the rose. This flower is pre-eminently entitled to this honor for the many purposes for which it is valued from the cradle to the grave. It is cheering to note the awakening of a new and live interest which is being manifested by amateurs and others in the growing of hardy garden roses. The increased demand for these plants for the past five years is sufficient proof.

About twenty years ago the National Rose Society of England was organized, the aim and object of this society being to promote and encourage the culture of the rose, and to disseminate practical information for the proper growth and cultivation of this flower. It is through the untiring efforts and the influence of this organization that the rose is so generally grown by the amateur and the cottager as well as by the wealthy class.

The American Rose Society is organized practically the same principle, the aim and object being to promote a greater interest in the growing of the rose, and to educate in its culture those who love the flower and desire to grow it. The American Rose Society includes in its membership, men, the greater part of whose lives have been devoted largely to the growing of roses, and who by their wide experience are well qualified to give the information so many people desire in relation to rose culture. The amateur rose growers especially, are seeking and

anxious to receive such directions.

There are several essentials in the growing of roses. The first is the soil; this would apply in a general way. A large number who buy roses know nothing about what soil is best suited for these plants. This I know from my experience with purchasers. While they are often familiar with the varieties, they admit they know nothing whatever about preparing the ground. Hundreds of these people would be willing to become members of the rose society, could they receive some practical cultural directions concerning rose growing.

It is surprising how many buy roses and continue to buy and replace them simply through lack of knowledge how to properly care for them. They buy through love of the flower for its own sake. Many know not whether they should be planted on the north side or in a southern exposure. They are not familiar with and know practically nothing about pruning and properly guarding against insect pests. In fact, the large majority of those who buy roses year after year have but little practical knowledge relating to the proper care and the attention these plants require for successful growth.

It seems to the writer that the society should give practical cultural directions and instructions to those seeking such, and begin and educate the masses who are interested in roses. This could be done by publishing a practical treatise on the rose for the amateur, or could be issued in the form of a bulletin to all members of the society. When this became known I believe the membership would rapidly increase and the

bulletin, if found desirable, could give information applicable to all points of this country. There are members well qualified in the different sections of the country to give the practical cultural directions treating on soil, situation, pruning, selection of varieties of hybrid teas, hybrid perpetuals, Japanese and their hybrids, climbing roses, rambler roses and their various uses.

This matter wisely followed up would make the American Rose Society the official organ, the recognized authority on all matters relating to the rose. At the present time the society may not be ready to take up this matter or approve of these suggestions, but I feel sure they will receive their earnest consideration. The American Rose Society is prosperous and the grand results in the increasing popularity of this flower, the perfection of the blooms in color, size and texture are surprising and gratifying. The Chrysanthemum Society of America is prosperous and the wonderful advance in the development of this flower is marvelous. The peony has also a society and they are formulating plans for the classification and correct naming of the varieties. These societies are to be congratulated for the zeal and perseverance and for the grand and noble work they have done in their respective spheres.

The American Rose Society is waking to a realization of its duties which is gratifying, and the officers of the society have worked zealously the last year, and are entitled to the thanks and hearty co-operation of all its members. Let us hope that the interest now being manifested will stimulate our rose growers to produce new and superior

varieties of American origin and better adapted to our climate. May the good work continue and the rose always hold the honor and title of queen of flowers and the garden.

Massachusetts Horticultural Society.

The annual spring exhibition of the Massachusetts Horticultural Society was held in conjunction with the exhibition of the American Rose Society on March 23, 24, 25 and 26, in the halls of the society, and formed one of the most successful exhibits ever held by the society. The inclemency of the weather on Friday and Saturday caused a falling off in the attendance, but the capacity of the hall was tested to its utmost on Sunday afternoon and evening. The display of roses was grand, and without question one of the largest and finest displays of greenhouse roses ever staged were seen.

A careful survey of the exhibitors' cards was proof that the exhibition was national in character, no less than fourteen states being represented in the products shown. The lecture hall in the front of the building was given up to the exhibition of the roses and carnations, and the roses had the call, for all but three tables in this large room were filled with beautiful specimens of the queen of flowers. The center of interest was the contest for the executive committee's prize for the best fifty blooms of American Beauty roses, for the victor in this class would also win the "first leg" on the trophy presented by Lord & Burnham Company, valued at \$250, which must be won three times by the same exhibitor before he becomes the possessor. Three elegant vases of this incomparable rose were staged by the Waban Rose Conservatories, Natick, Mass.; F. R. Pierson Company, Tarrytown, N. Y., and W. H. Elliott, Brighton, Mass. The judges, Peter Crowe, J. F. Hess, and Walter F. Sheridan successfully performed a most difficult task in rendering their decision. In the rose society classes the prizes were very evenly divided, some growers winning with one variety and

being obliged to give way to others in other varieties, but in the horticultural society prizes W. H. Elliott succeeded in capturing a large majority of the firsts.

In the carnation classes as is usual at the Boston exhibitions, Peter Fisher, M. A. Patten and Wm. Nicholson succeeded in dividing most of the prizes. In only three of the classes were the firsts taken from these three exhibitors.

There was a grand display of the carnation novelties for 1905 and 1906 staged which proved a great attraction for the growers in the vicinity. Richard Witterstaetter, of Cincinnati, O., sent Aristocrat and Afterglow; F. R. Pierson Company, sent Winsor and Variegated Lawson; M. A. Patten sent Mikado and Pink Patten; W. J. & M. S. Vesey, Fort Wayne, Ind., Glendale; Lakeview Gardens, Jamestown, N. Y., Gladys; Chicago Carnation Company, Cardinal; Guttman & Weber, Victory; J. E. Haines, Carnation John E. Haines; John Murchie sent Fred Burki; H. Weber & Sons sent My Maryland; L. E. Small had seedling No. 3, white, and Peter Fisher had Princess.

In the pot grown roses W. W. Edgar showed some exceptionally well grown specimens of hybrid perpetuals and Miss S. B. Fay a large collection. In the climbing section M. H. Walsh made an extensive exhibit nearly filling the end of the large hall with immense specimens in pots and tubs. This exhibitor also staged pot grown plants of his seedling, Urania, a hybrid perpetual rose of great promise. William Sim had three large vases of his mammoth sweet peas, Mont Blanc, white; Earliest of All, pink; and a novelty, Earliest Sunbeam, a very light yellow.

On the floor space of the main hall were staged immense plants of cyclamen and cinerarias. In cyclamens, George F. Fabyan, James Stuart, gardener, again carried off the firsts. It was thought some years ago that the limit in size of these plants had been reached, but they still grow larger and the specimen plant awarded first prize in this collection was certainly the

largest plant ever shown here. The exhibit of Mrs. J. L. Gardner, Wm. Thacher, gardener, of Cineraria stellata was a revelation. In the display of Easter plants Mrs. Gardner and Edward MacMulkin staged beautiful groups.

In the hall also were seen a large group of bulbous and spring plants from R. & J. Farquhar; a group from E. W. Converse, Robert Marshall, gardener; an exhibit of rhododendrons, Azalea mollis and other hard wooded plants from the Bussey Institute; and an elaborate display of Primula obconica, orchids, etc., all correctly labeled, from the Harvard Botanic Garden, Robert Cameron, gardener.

F. R. Pierson Company presented some beautiful specimens of Nephrolepis elegantissima and well grown plants of the Baby Rambler rose. Two new sports of Boston fern were also staged, Dorchester, a fine leaved variety by the L. H. Foster estate; and a heavy leaved variety named Barrowsii, from H. H. Barrows & Son, Whitman, Mass.; the latter was awarded a first class certificate of merit.

In the side hall were staged the orchids and bulbous plants. The exhibit of orchids was extensive and included as large an assortment of varieties as is often seen. That of the Langwater Gardens, North Easton, Mass., W. P. Craig, gardener, which was awarded first, was a most extensive display. Lager & Hurrell, Summit, N. J., and Julius Rochrs Company, Rutherford, N. J., exhibited collections.

The display of hyacinths, tulips and narcissi was of the best quality and some handsome pans were shown by Mrs. J. L. Gardner, William Whitman, Michael Sullivan, gardener; E. A. Clark, M. A. Riggs, gardener; and G. F. Fabyan, James Stuart, gardener, and the Bussey Institute.

Pennsylvania Horticultural Society.

ANNUAL SPRING EXHIBITION.

The spring exhibition of the Pennsylvania Horticultural Society opened in its beautiful hall at 2 p. m., Tuesday, March 28. It was a spring show, there could be no mistake, as the flowers that bloom in spring were everywhere in evidence, the large display of hyacinths, tulips and daffodils being the feature of the show. Years ago hyacinths were always shown in a pot, and now the decorative feature is evidenced by hundreds of pans of these beautiful flowers, together with a number of bulbs, these making them doubly attractive. Tulips and daffodils were arranged the same way with from twelve to twenty-four bulbs to a pan. There were two pans of these with one hundred plants in each, which made a most attractive display. These classes of plants were arranged on three long low tables, one the entire width of the hall; the other two extended from the main hall to the foyer, either side of the grand stairway. It was much the best display both in quality and quantity of these bulbs that has been ever shown before the society.

As we entered the lower foyer of the hall the eye was caught by two fine specimens of bougainvillea one at either post of the grand stairway. They were exhibited by W. K. Harris and were very much admired. H. A. Dreer and Henry F. Michell Company had exhibits of grass seeds on either side of the



EXHIBITION OF THE MASSACHUSETTS HORTICULTURAL SOCIETY.

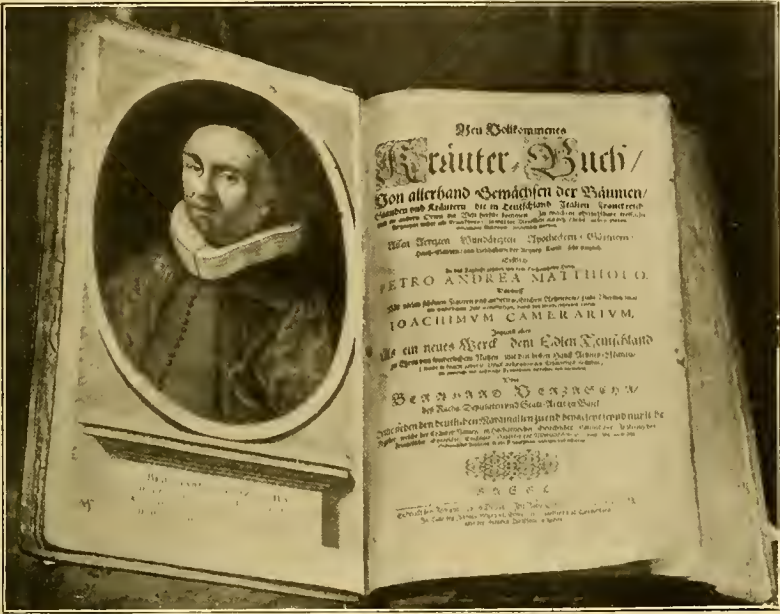
(A view in the main hall.)

foyer. On the posts of the stairway at the first landing stood two of W. H. Robertson's best arecas, grand specimens, and for which he received first prize. Flanking the steps on either side up to the main floor were specimen zonale geraniums in 8 and 10-inch pots. To the right just inside the main hall Julius Roehrs' Company staged a

latter flowers, one large scarlet Roi de Belgium being very effective. Perhaps one of the most striking plants in the show was a fine specimen of Anthurium Andeanum with eight perfect blooms. Along the front of the stage were collections of rare plants, among them being fine anthuriums and cinerarias. There was also keen competition for

plants and made a pretty group. In the front end of the hall next the foyer were daisies and genistas, large showy plants with which the judges had quite a time determining the winners. Taking it all in all it is considered about the best spring exhibition the society has had for a long time. The prizes follow:

- Orchids, display of plants and cut flowers arranged for effect, first, Julius Roehrs Company, Rutherford, N. J.
- Ferns, specimen plant, first, George W. Childs, Bryn Mawr, Pa., Thomas Long, gardener; second, C. B. Newbold, Jenkintown, Pa., Samuel Batchelor, gardener.
- Ornamental foliage plants, specimen plant, first, Edward A. Schmidt, Radnor, Pa., John Hobson, gardener; second, James W. Paul, Jr., Radnor, Pa., Joseph Hurley, gardener.
- Palms, one pair in pots or tubs, first, John W. Pepper, Jenkintown, Pa., Wm. Robertson, gardener; second, C. B. Newbold.
- Palms, specimen plant in pot or tub, first, John W. Pepper; second, C. B. Newbold.
- Azaleas, four plants in bloom, four varieties, in not over 10-inch pots, first, Mrs. R. J. C. Walker, Germantown, John McCleary, gardener; second, Edward A. Schmidt.
- Azaleas, specimen plant any color, first, P. A. B. Widener, Ogontz, Pa., Wm. Kleinheinz, gardener; second, C. B. Newbold.
- Genistas, two plants, first, C. B. Newbold; second, James W. Paul, Jr.
- Genistas, specimen plant, first, John W. Pepper; second, C. B. Newbold.
- Hydrangeas, three plants, first, John W. Pepper.
- Hydrangeas, specimen plant, first, John W. Pepper.
- Fuchsias, three plants, first, John W. Pepper.
- Marguerites, three plants in not over 12-inch pots, first, C. B. Newbold; second, John W. Pepper.
- Zonale geraniums, six plants, six varieties, in not over 8-inch pots, first, John W. Pepper; second, C. B. Newbold.
- Zonale geraniums, specimen plant, first, John W. Pepper; second, James W. Paul, Jr.
- Rhododendrons, three plants, first, Mrs. R. J. C. Walker; second, James W. Paul, Jr.
- Begonias, flowering varieties, six plants, first, James W. Paul, Jr.
- Begonias, specimen plant, first, H. Hopper, Narberth, Pa., J. H. Dodds, gardener; second, Edward A. Schmidt.
- Acacia, specimen plant, first, John W. Pepper.



A BOTANICAL WORK OF 1678.

(In the possession of Godfrey Aschmann, the well-known grower of Philadelphia, Pa.)

proud collection of new and rare orchids. On the opposite side of the hall Lager & Hurrell were also represented with a display of popular and new varieties which attracted much attention.

In the center of hall there was a fine group of choice palms, anthuriums and other rare plants bordered with spring bulbs, spiraeas, daisies, etc., in full flower. It was the most attractive group ever seen in the hall. These were from the Fairmount park conservatories and are a great credit to Mr. Schmidt, who has them in charge. Although not in competition they compared so favorably with the best work of the private gardeners that the visitors could not help be satisfied with the product of their own conservatories and the work of the master hand that manages them. There were four large groups of twelve choice plants in each, two on either side of hall. They contained the pick of each gardener's collection and added much to the decorative features of the show.

In the three front balconies overlooking the grand staircase the William Graham Company arranged three arches of colored lights which made this part of the exhibition very attractive. Four tall specimen palms were the centers of groups placed at each corner of the central floor space, and were surrounded by blooming plants prominent among which were fine specimens of Cineraria stellata. These showy plants are great favorites with the public. Rhododendrons made up one of the other groups and were very showy. Azaleas formed another group and at intervals were seen many fine specimen plants of these

the Primula obconica prizes, the collection of plants making a great display.

Joseph Heacock was present with samples from his stock of choice kentias; they were well grown commercial



PRIZE CYCLAMEN AT THE BOSTON SHOW.

(Common hall chair shows comparative size. Grown by James Stuart, gardener to Geo. F. Fabyan, Brookline, Mass.)

Callas, one pair of pots or pans, first, John W. Pepper.

Spiraea, six plants, three varieties, first, Mrs. R. J. C. Walker; second, John W. Pepper.

Cineraria hybrida, six plants, first, P. A. B. Widener.

Cineraria stellata, six plants, first, C. B. Newbold; second, P. A. B. Widener.

Cineraria stellata, specimen plant, first, C. B. Newbold; second, P. A. B. Widener. Cyclamen, six plants, first, J. Vaughn Merrick, Roxborough, Philadelphia, Frank Ibbotson, gardener.

Primula obconica grandiflora, six plants, first, John W. Pepper; second, James W. Paul, Jr.

Primroses, English hybrid, two pans, not over ten inches, first, James W. Paul, Jr.

Pansies, two pans, not over ten inches, first, Mrs. R. J. C. Walker.

Lilium longiflorum or Harrisii, six pots or pans, three bulbs to pot or pan, first, James W. Paul, Jr.

Lilium longiflorum or Harrisii, three plants, in not over 10-inch pots, first, John W. Pepper; second, James W. Paul, Jr.

Flowering plant, best specimen, first, Edward A. Schmidt; second, C. B. Newbold.

Display of palms and ornamental foliage plants, twelve plants, first, H. S. Hepper; second, James W. Paul, Jr.

Azaleas, three plants in bloom for the Crosswicks prize, offered by C. B. Newbold, first, C. B. Newbold; second, James W. Paul, Jr.

Heating Greenhouse and Cottage.

ED. AMERICAN FLORIST:—

I have a small greenhouse 10x28, a lean-to attached to my cottage, and protected on the north by the cottage. I am heating three rooms in the cottage with 100 feet of radiators attached to a No. 1½ Furman steam boiler. I propose to run a 2-inch main the length of the greenhouse then return through three rows of 1½-inch pipe. Will that maintain a temperature of 55° at night at one or two pounds pressure? Is the boiler large enough to do the work of the cottage and the greenhouse?

W. D.

If there is no glass in the side wall the plan proposed would probably answer, although if the ends of the house are exposed and of glass it will be best to have the coils extend at least half way across the ends as well as along the side. If properly handled the boiler should be sufficient to do the work, although it may require heavy firing in extremely cold weather.

L. R. T.

WITH THE GROWERS

Chatogue Greenhouses, Mobile, Ala.

The accompanying illustration shows a corner in the developing cellar of the Chatogue Greenhouses, Spring Hill, near Mobile, Ala., and jars of Bride, Bridesmaid and Golden Gate roses. Until the present season it has been a question whether high class roses could be grown out of season on the Gulf coast, temperature and climatic conditions being all against it. Mildew and thrips have driven all previous efforts to failure, and the Gulf coast has heretofore depended on the west for fine roses during the winter.

The character of the flowers shown in the illustration would indicate that the Chatogue Greenhouses have solved the problem. Most of the buds shown measured three and one-half inches in length, and New Orleans, always most critical, has quickly recognized the greater merit of fresh roses over those two to three days in the packing cases, no less than seven retailers offering to take the entire cut for the season.

Bride, Bridesmaid and Golden Gate are the standards, but Kaiserin has done wonderfully well. Chateau is almost a failure and will be discarded another season. Perle does well, but a yellow in the class with Golden Gate is very much needed. Richmond will be grown for red next season. A trial shipment of buds from E. G. Hill arrived in a wilted condition, but revived over night in the cellar and were good for a week in the drawing room, where many flower lovers from Mobile came to admire them. Only for a little more size and Richmond is a big winner. MacArthur, Killarney and Wellesley will be tried to a limited extent. A special grower has been secured for American Beauty and they will be grown for the New Orleans market.

A house of 15,000 feet of glass is now being built for carnations, and only the top notchers will be handled, Fiancee, Enchantress, White and Pink Lawson, Lady Bountiful, Prosperity, Harlowarden, Crane and Moonlight. The lat-

ter is the white for the south. The carnations will be grown on the ground; the small plants will be taken from the house in April, set in their next winter home, and the house built over them.

The Chatogue houses, with this summer's addition, will have about 50,000 feet of glass. Col. F. P. Davis, the owner, of Chatogue, is well known to the trade. The plant is under the direct management of Robert Lockerbie.

X.

Pruning Shrubs, Roses and Trees.

The pruning of shrubs and trees where it has not been performed, should now be attended to without delay, before spring vegetation becomes active. We usually commence our pruning operations in December, and continue through the winter months when weather conditions permit. We would like to commence pruning in November, but the pressure of other work at that time never permits us to do so. Pruning in a general way is a corrective operation, and has to be done to regulate growth, direct energy into certain channels, preserve symmetry, not formality, assist in natural development and promote floriferousness.

Any person who has spent a number of years in the cultivation of hardy trees and shrubs, natives of different parts of the north temperate zone, and studied their individualities, will have observed that many of them require a great deal of attention in disbudding and pruning, to enjoy their best beauty. Some on the other hand grow and branch in such a manner that they need but little pruning assistance in developing their best characteristics.

Spring and summer pruning, that is, cutting out the flowering sprays and to that time the camellia was the misplaced and superfluous growths of shrubs such as the forsythias, Ninebark, Japan quince, bridal wreath, Spiraea Thunbergi, S. lanceolata, and S. Van Houttei, lilacs, deutzias, dier-villas and philadelphuses, when they are done blooming is good cultural practice, if the operator thoroughly understands the operation. It is well understood that summer pruning has a more or less weakening effect on woody plants, so that if severe thinning of the branches should be resorted to among the last named subjects in the growing season it will certainly impair vitality. Our advice is, cut very moderately the flowering sprays that plainly impede and prevent the development of the young growths, and if a mass of congested shoots are being projected where they are plainly too thick, thin some of them out. The completion of the work can intelligently be prosecuted in winter, and all old flowering sprays, gnarled, diseased branches, watery sprouts and congested shoots thinned out, being careful to preserve the natural outlines of the shrubs; free and flowering.

Shrubs with branching habits like the euonymuses, exochordas, bush honeysuckles, buckthorns, barberries, and caraganas, that do not produce large flowering sprays, require a little thinning out of the branches where they are dense and thick, and where they rub and cross each other. The ornamental crabs, pears and plums usually produce more or less suckers, cross shoots, and



ROSES AT THE CHATOGUE GREENHOUSES, MOBILE, ALA.

(A corner in the storage cellar.)

sprouts in their interiors; these should be removed. Some of the ornamental plums will send out long, sprawling shoots from their tops that interfere with general symmetry. These can be shortened back a little, and a more compact head produced.

The white flowering dogwood, alternate dogwood, red-bud, some of the viburnums, and most of the magnolias, have what might be termed naturally good habits, and pruning or thinning of the branches is rarely necessary. Occasionally one of two branches that rub against each other will require removal. The dogwoods with brightly colored bark on their young growths, such as *Cornus stolonifera*, *C. alba*, *C. Baileyi*, *C. Amomum* and *C. Purpusi*, that produce such handsome effects in late winter and early spring, will lose much of their beauty if they are allowed to grow for a number of years into large bushes. If they are cut back severely, they will immediately throw up a mass of young growths and produce much prettier effects than if left untouched.

The candleberry, *Myrica Carolinensis*, a very useful native decorative shrub, will in eight or ten years become thin and straggling. We cut it back within two or three feet of the base under such conditions, and the second year after cutting it forms a dense, handsome mass and will remain so for many years. *Buddleias*, *callicarpas*, the different varieties of *Hibiscus Syriacus*, *indigoferas*, late blooming *spiræas*, *clethras*, *Hydrangea paniculata*, *H. arborescens*, *H. hirta* and *H. urticifolia*, and shrubs of that nature that bloom on the young wood of the year, will make a much better flowering display if the previous year's growths are well shortened back towards the base.

The different species of roses in cultivation require in some cases careful pruning. For example, the handsome Japanese *Rosa multiflora* flowers on the young growths of the previous year right to the tips. Unless the shoots have sprawled out of all proportion to the general symmetry, they should be left full length and nothing but old wood removed. *R. rugosa* will flower on the growths of the year if it is cut down to the ground, but, of course, the flowers will be produced late in the season. It will submit patiently to any kind of pruning and produce flowers freely. The Persian briars should have a little careful thinning out of the old wood, but they should not be cut back or their flowers will nearly all be lost. The Scotch roses should have the same treatment as the last. As a general rule with most of the roses, the best plan is to thin out the old and weak wood, and not cut them back unless they get too unwieldy for the position they occupy. The garden roses known as the Hybrid Remontants, the most popular of all roses, always flower best if the old wood is thinned out and the young shoots of the weakest growers cut back within two or three eyes of the base, and the strong growing kinds should have their shoots cut back about half way.

Ornamental and shade trees should be looked through to remove overcrowded branches; limbs that rub against their neighbors, and broken and decrepit branches should be cut out without hesitation. Some trees



THREE GENERATIONS OF VANDERBILT GARDENERS.

such as Norway spruce and sugar maples produce dense, branching tops with great congestion among the branches. A little judicious thinning will help those limbs in the struggle for existence, but they should be entirely removed at the base, because if they are simply shortened back it will surely aggravate the evil of density. Dead and diseased limbs can best be detected in the growing season. Trees like most of the oaks, hickories, tulip and cucumber trees seldom require any pruning.

The elms, soft maples, ash-leaf maple, and others that usually branch from ten to fifteen feet above the ground into a number of equal subdivisions, or produce a number of long, sprawling, heavy limbs, that are liable to be broken in violent summer storms, as we see occurring more or less frequently to such trees every season, should be carefully watched. Whenever they are planted and in their youthful days, the side and lateral branches should be rigorously subordinated to one main central stem. If the tops of trees thus trained are kept proportionate, when they attain large size they can resist the most violent storms without damage. It is very important in tree pruning to cover all large wounds with coal tar or good thick paint. JOHN DUNBAR.

An Honored Craftsman.

John Allan, Sr., will, April 1, sever his active management of the Oakland Farms for Alfred G. Vanderbilt at South Portsmouth, R. I. Mr. Allan began his duties under Cornelius Vanderbilt, and for some twenty years

has served the Vanderbilt family as he would himself. Since Alfred G. Vanderbilt has so enlarged his father's farms, he has many times thought that the care and worry of these large estates was almost too heavy for one of Mr. Allan's already long service, and he therefore has retired him with such liberality. It is an honor to the man who can appreciate faithful labor, as it is an earned reward by a man who is worthy to receive such splendid recognition of years of faithful service.

The portrait not only shows Mr. Allan, but also his son and grandson. John T. Allan has followed in his father's footsteps, having for many years been head gardener to John R. Drexel, of Philadelphia. M. B. FAXON.

Trouble With Snails.

ED. AMERICAN FLORIST:—

I am troubled with snails in my greenhouse. Kindly advise how to rid my houses of them. J. P. H.

One of our readers states that he keeps toads in his greenhouses to keep down snails and other night raiding pests; another scatters lettuce leaves, sliced potatoes or sliced apples about the benches and catches the snails while feeding after dark, or under the bait the next morning. Another uses bran as bait, placing it about on pieces of board, and another finds that camphor balls, such as are used for keeping moths out of garments, scattered about among the plants will either kill the snails or drive them away.

N. CAMBRIDGE, MASS.—W. B. Perkins March 11 opened a flower store at 1880 Massachusetts avenue.

THE ROSE.

Rose Culture Under Glass.

[Read before the March meeting of the Monmouth County Horticultural Society, Oceanic, N. J., by Charles Wengerter. Awarded first prize for essay written by assistant gardeners.]

Rose cuttings can be taken in December, January and February but the best month is January. The cuttings should be taken from only healthy plants. The best cuttings are those that are taken from flowering shoots but blind wood can also be used. The eyes should not be too far advanced. When making the cuttings, use two eyes, cutting the bottom leaf off. The cut should be made with a sharp knife and must be smooth. If the room in the sand bench is scarce the top leaves can be trimmed. The cutting bench should be on the north side of a house with bottom heat; the bottom heat should be from 60° to 62° and overhead 58° to 60°. The bench should be washed out thoroughly and then whitewashed. Crock or moss should be used for drainage and the sand should be coarse. Put a layer about three and one-half inches thick in the bench then give a good watering and press the sand hard. The sun should not strike the cuttings until rooted. They should be syringed three times a day and should be rooted in three weeks.

When the roots are from one-half to an inch long pot them in thumb pots, and when they are showing considerably, pot them in a size larger and so on until they are planted in the bench. They should never become pot-bound. Most of the growers nowadays use grafted stock in preference to cuttings. As soon as manetti stock arrives it ought to be heeled in, in a cool place but not letting the frost reach it. When potting, put them in as small pots as possible but large enough to cover the roots entirely. Sometimes manetti stock has very large roots and instead of taking three or three and one-half-inch pots, I would rather trim the roots somewhat. As soon as the manetti is budded out well and before leaf growth, grafting should commence. The temperature of the house should be 50°. Syringe them several times a day.

The bench for the grafts should have bottom heat, enclosed on the sides, having it arranged so that a side can be taken off if there is too much heat. A frame about two feet high on one side, with a slope down to one foot four inches on the other side put over a bench should be about the right height. It must be air-tight and if any cracks are found they should be closed. The bottom should be thoroughly washed and whitewashed. A two or three inch layer of sand or sifted ashes would be enough to put into the bottom. Water the ashes or sand thoroughly before putting the grafted plants in, as the moisture in the box will have to nourish the plants for the first four days.

Grafting should be done as quickly as possible. It is best to have a few sharp knives handy. Make a slant cut about three-fourths of an inch long on the manetti as close to the pot as it is convenient to tie, making the cut of your graft the same size. The wood of number of vessels to be laden with boxes or vases of rose plants so prepared as not to bloom before

their delivery at Rome. The cost of roses thus delivered in Rome the graft should be as near the same size of the manetti as possible. The best wood is the heel of a flowering shoot and should be taken from the healthiest stock. Have one eye on the graft and trim leaves a little. When matching both cuts see that one side and the bottom of the cut matches, bark with bark. In tying start at top of manetti and finish at the bottom. The temperature at about 80° was the best with us.

Do not open the box till the fourth day and then give a slight syringing, airing them for about five minutes and every day a couple of minutes more until the ninth day, when they should have a little air. The manetti shoots should be taken off and plants which are dry watered. After the seventh day the temperature should drop to 75°. A little more air should be given each day after ninth day. After three weeks the grafts ought to have grown together, then be taken out and put in a tempera-



P. J. Lynch.

(Secretary-treasurer of the Dingee & Conard Company, West Grove, Pa., whose interesting paper on roses appeared in our issue of March 18, page 323.)

ture of 62°, temperature going down gradually to regular rose house heat.

When plants show signs of good growth loosen the raffia to prevent same from cutting into the wood. My reason for not taking the raffia off too early is: If the graft has not taken well on some places it will callous better than if the raffia is off, also the graft won't break off so easy. When planting in the bench the graft should be covered. The benches should be washed the same as cutting bench and when dry whitewashed. The drainage in the bottom of the bench should be covered with sod or coarse manure and benches filled about four inches with soil. The best soil is sandy loam from an old cow pasture, mixed with about one-fifth rotted cow manure. The soil should be cut over about three times before using in the bench. Extreme care should be taken in planting the roses. A hole should be made large enough to cover the ball with ease. It can then be held with one hand the exact depth and the

soil pressed around it with the other. Do not cover the ball of the rose too much.

After planting pound the bench with a brick or tramp between the roses. Water immediately after planting around the ball and then according to the growth of the roots. Our principal feeding is manure water but at different times different manures are used, such as cow manure, chicken and sheep manure, a good dusting of bonemeal and once in a while wood ashes. Mulching should never be done during the dark days in winter. The blind wood on Ivory and Golden Gate can be cut off to some extent as they make quick growth.

THE RETAIL TRADE

The Rose in Decorative Art.

[Read before the New York Florists' Club at its March meeting by Robert Kift, of Philadelphia.]



When Dame Nature stirs in the early spring and arouses into life the early snowdrops and crocuses, which in turn are followed by their more pretentious kinsmen, the gaudy tulips, the daffodils and stately hyacinths, she pauses awhile to admire and then actively and vigorously her work goes on, until the whole landscape is pictured with her beautiful art. But still she presses forward not satisfied, until at last the crowning glory of her work appears, the rose, the queen of flowers. It is her masterpiece. She has endowed it with every virtue, it is most beautiful in form, it has almost all the colors of the rainbow, while its fragrance is most delightful. She guards it carefully, providing even an armor of thorns to protect it.

"Tis sweet to dare the tangled fence
To cull the timid floweret thence."

Such is a brief description of the flower we honor tonight. Almost the entire history of the roses of commerce, as we know them today, covers but the short period since 1870. Prior favored flower, and choice blossoms brought fabulous prices. As soon, however, as the rose made its appearance the camellia was doomed. Bon Silene, Safrano, Marechal Niel and La Marque, small and insignificant as, with the exception of the Marechal Niel, they appeared, soon relegated the old favorite to the background and finally to oblivion.

How I remember the weary hunt in the early eighties from one greenhouse to another over the Hoboken hills, gathering in a few Bon Silene and Safranons here and there, and possibly a few Jacqueminots, which were then being forced in small quantities but which soon took the lead as the most popular rose. Two or three hundred buds were then considered a large stock and well worth the one or two days' journey necessary to get them. The decorative features of the flower did not count for much until the long stemmed hybrids made their appearance. The advent of Ernst Asmus's Glory of Paris (Anna de Diesbach) made a great sensation; this was followed by the Ulrich Brunner and Mrs. John Laing. Then came the new teas, Cath-

erine Mermet, followed by the Bride and Bridesmaid.

It was, however, that queen of roses, American Beauty, introduced to the public by the Field Brothers, of Washington, that placed the rose in the van as a decorative flower. Now, no important decoration appears complete without a liberal representation of this variety to add dignity to the occasion. To a certain degree Dame Fashion must be reckoned with in floral art, as there are fashions in flowers and floral devices the same as in dress.

Peter Henderson's book on the art of bouquet making and the general arrangement of cut flowers was the recognized authority of his period. The close compact form presenting solid masses of flowers without foliage was then the fashion and the details of arrangement were minutely described in this work. Since then, with the great strides made in the cultivation of flowers and the production of long-stemmed blossoms, the styles have changed, the close formal designs have been succeeded by the more graceful and natural arrangements that display the beauty of stem and foliage as well as flower.

In the garden Dame Nature arranges her flowers in the most beautiful manner conceivable, the branches of the climbers bend over gracefully with their wealth of bloom, all, even the smallest blossom uniting into a perfect whole, while the bush varieties throw up their single buds or clusters that stand out their wealth of foliage in perfect symmetry. Such effects can be produced in the ball room or elaborate house functions, the growing rose being simulated and made to climb in any direction and when covered with blossoms makes a capital counterfeite and beautiful decoration. For the wedding, that most joyful time of life, there is no flower that more fittingly graces the occasion than the rose. In the church, the altar, the chancel, the windows, the pew ends, in fact, at every available point there should be seen this most beautiful flower. The bride and her maids should carry them, and under a bower, surrounded on every hand by beautiful roses, she should stand to receive the good wishes of her guests.

The beautiful custom of greeting the debutante upon her entrance into society with the choicest flowers, has grown into prominence the past decade, and offers great opportunities for the artist. Probably no other occasion brings together such an assortment of flowers as are to be found among the hundreds of clusters that grace the receptions of the popular young buds. The rose is also found in the front ranks here, as seventy-five per cent of the bouquets are sure to be of our favorite flower.

The arrangement of flowers for the dining table is an art in itself and the rose easily leads in popularity for this purpose. The formal plateau or mound has given place to the more graceful arrangement in low bowls, below, or high receptacles that carry the flowers above the line of vision. When loosely arranged in such vases all the beauty and grace of the flower is brought out. They should not be so crowded as to lose their individuality, but enough should be used to get the color effect, and their quality and freshness should always be such as to leave nothing to be desired. Tall vases of long stemmed



FLORAL DESIGN FOR THE FUNERAL OF THE LATE P. T. HUDDART.

(From the Salt Lake City Florists.)

American Beauty roses are still very popular, and certainly the most effective of all roses, whether used in groups of palms, on the banquet table, or in other of the many places that seem ideal for them, and for which there seems to be almost no substitute.

The use of flowers to carry the voice of condolence to bereaved ones is a beautiful custom, and one, let us hope, that will never die out. It can hardly be classed as decorative art, yet for those who have the final disposition of flowers as they are placed before the public today, it is a very important branch of the business, and as much care and attention must be given and as skillful treatment in the arrangement as for any other occasion. Here, as elsewhere, simplicity has asserted itself, and the cluster of long stemmed roses and the wreath, the least formal of all designs, are fast growing in popularity.

If we can believe the accounts of the extravagant use of roses thousands of years ago, and they appear to be authentic, our most extensive decorations are as nothing when compared to those elaborate displays, as much as one hundred thousand dollars having been spent by Nero for roses for one entertainment. What they sold for by the dozen may be conjectured from the following, copied from Mr. Parson's book on "The Rose," published in 1847:

"If the Egyptians cultivated roses for transportation to Rome during the winter, they must have had very extensive plantations for the purpose. The exportation could have not have been of loose flowers or they would have been withered long before the termination of the voyage. Neither could it have been of rooted plants in a dormant state, as nurserymen now send them to every part of the world, because the Romans had at that time no means of causing them to vegetate and bloom in the winter. On the contrary, the cultivators at Alexandria and Memphis must of necessity have sent them away in the vases and boxes in which they had planted them with that object, and when they were just beginning to break from the bud, in order that they might arrive at Rome at the moment they commenced expanding.

"At that remote period when navigation was far behind its present state of perfection, the voyage from the mouth of the Nile to the coast of Italy occupied more than twenty days. When this long voyage is considered, and also the quantity of roses required by the Romans to enwreath their crowns and garlands, to cover their tables and couches and the pavements of their festive halls and to surround the urns which contained the ashes of their dead, it is evident that the Egyptians who traded in roses, in order to satisfy the

prodigality of the Romans would be compelled to keep in readiness a certain must have been immense, but we do not find a single passage in ancient authors which can give any light on this point; they only tell us that nothing for the gratification of luxury was considered too costly for the wealthy Roman citizen."

What would rose bushes in bud, such as we know them today, look like after a three weeks' journey by sea? They must have been impregnated with the same blood as Burbank's fadeless flower; in fact we are led to wonder if the roses of that day were roses at all, or at least such as we know them now. It appears to have been the custom at that period to use flowers most lavishly, and particularly for dinners, and all social occasions, and for the dead. In addition to the decorations for the table, the couches upon which the guests reclined were elaborately decked with roses, as were also the floors of the rooms. Cleopatra covered the floors of her dining rooms with rose leaves to a considerable depth, and over them placed a fine net, so that her guests might tread the floral carpet without inconvenience. It was the custom to cover the beds of the guests with roses, and some who slept under layers of rose petals were annoyed beyond measure if any of them should start to curl, indicating they were not fresh. I fear that some of their descendants are among our patrons of today.

The rose has many rivals as a decorative flower. The chrysanthemum, the carnation, the lily, and even that butterfly of fashion, the orchid, are all in the race for popularity. But the rose, endowed with so many points of excellence, is still the one great favorite.

One thing more may be said of the rose that can hardly apply to any other flower, and that is its changing beauty; as a bud we admire it, and as it slowly develops until half blown, it grows more and more beautiful, until finally when fully expanded it takes another form and gradually fades away.

Oh, there is naught in nature bright,
Where roses do not shed their light!
And when, at length, with pale decline
Its florid beauties fade and pine,
Sweet as in youth its halmy breath
Diffuses odors e'en in death.

PENTWATER, MICH.—The greenhouses of B. C. Lindley Company have been purchased by Lowry P. Rudd, who formerly had charge of them.

LA GRANGE, TEX.—A flower show will be held May 4, 5 and 6 under the auspices of the Casino association. Max Robson is secretary of the enterprise.

HARTFORD, CONN.—Edward Welch has bought additional property on Annawan street and will build more greenhouses in all probability next season.

PITTSBURG, PA.—The spring flower show in the Phipps conservatories, Schenley park, will open April 9 instead of Easter Sunday as has been the custom before.

CHEYENNE, WYO.—The landscape department of the Union Pacific division here has completed an addition to their greenhouse 10 x 75 feet, and has purchased five acres of land for additional greenhouses and nursery.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 25 were as follows: New York, cucumbers, No. 1, \$1.25 to \$1.50 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 50 cents per pound; radishes, \$3 to \$4 per 100; tomatoes, 10 cents to 35 cents per pound; rhubarb, \$2.50 to \$3.50 per 100 bunches. Buffalo, cucumbers, \$1 to \$1.50 per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Pittsburg, cucumbers, \$1 to \$1.50 per dozen. Detroit, cucumbers, \$2 per dozen; lettuce, 13 cents to 14 cents per pound. St. Louis, cucumbers, \$1.50 to \$1.75 per dozen. Chicago, mushrooms, 30 cents to 45 cents per pound. Denver, cucumbers, \$2 per dozen. Cincinnati, cucumbers, \$1.50 to \$2 per dozen. Kansas City, mushrooms, 40 cents per pound.

Forcing Rhubarb.

Rhubarb forcing presents some features to the market gardener, even in isolated localities, as a desirable adjunct to his business. Many force rhubarb extensively. To those who have not experimented it may be safe to say, like mushroom growing, the demand for the product is at once created when well grown. Several ways of forcing or forwarding rhubarb are practiced by market gardeners. The best method, of course, is having a cellar or building devoted entirely to it; in such a method convenience in handling the roots and soil and controlling the heat are taken care of and thus diminish the expense incident to the operation. A common method is to utilize space in packing rooms and under the greenhouse benches; in fact any convenient place where light can be somewhat excluded and a moderate temperature obtained. Another common method is building a structure over the roots in the field, using either sash or cloth for sides and roof; sometimes heated but more frequently not, and serving more as a hastening process than forcing. Amateurs frequently invert barrels over the roots in the garden, lining to a good depth with fresh horse manure and hastening the crop along considerably ahead of the unprotected.

PREPARING THE PLANTS.

Rhubarb may be grown from seed or division of the older plants from the

field. We have previously referred to the methods of some market gardeners who have so systematized the work that roots are always ready for forcing. Sowing seed each year is the method usually depended on. After the ground has been thoroughly prepared in early spring the seed is sown in drills a foot or so apart, the plants are thinned out so those remaining have every opportunity to grow and develop. The following spring these are transplanted three or four feet apart in well manured ground, which in the third or fourth year will be splendid material for forcing. Some have had good success sowing in rows three feet apart in enriched ground, thinning out to remain in the rows until removed for forcing. In other cases three or four year old roots afford the best material.

Under extremely favorable conditions satisfactory roots may be secured in two years and one experiment station reports good success from one year old roots. The market gardener, in growing his roots at a minimum of expense, must study with his practice the most favorable location and general management for producing the necessary supply as rapidly as possible.

PREPARATION FOR FORCING.

In the fall before hard freezing commences, the roots are dug or plowed out and subjected to a good freezing, either in shallow piles in some convenient place or shed. Some straw or litter should be scattered over those roots which are exposed to the changes in the atmosphere. The roots are now in good condition for forcing and whatever the place employed for the purpose, a sufficient amount of soil must be provided to fill all interspaces after the roots are closely set together. Unless the soil is fine, screening should be resorted to; a still further layer of several inches should cover the bed. The writer's experience has been mostly confined to forcing under the greenhouse benches. This, however, is not practicable when, upon affording means of subduing the light, the heat from the pipes is excluded from the house, and on this account the center benches are usually the only ones available.

A ten or twelve-inch board will hold the bed and give sufficient depth. Frequent waterings are necessary to get the full benefit of the wonderful amount of reserve material stored in the roots to produce stout and plump petioles. One may so arrange the making up of the beds that a continued supply of rhubarb is always on hand, a most desirable condition for the market gardener who supplies a local trade. In midwinter about six weeks will be



A DISH OF EARLY RHUBARB.

required at an average temperature of 50° from placing the roots until the rhubarb is ready. After two weeks the best will be gathered and should then be supplemented with the crop from a second bed; thus every two or three weeks a fresh batch of roots should be planted. For wholesale markets the object should be, as far as possible, to have it early when higher prices prevail, as on the approach of spring the price declines.

This problem as a side crop to many market gardeners has not been too well developed; there will be fair profits if the roots can be cheaply grown and the price of 10 cents per pound maintained for a good period. Of course the roots are worthless after forcing, but nevertheless we have found this crop profitable.

FRANCIS CANNING.

Commercial Ferns.

As to what is the most important characteristic in a fern, the following remarks made by John Scott in answer to the question before the New York Florists' Club are of interest to the trade:

There are so many kinds of ferns that it is impossible to cover the subject in an offhand way. We all know that there are a great many ferns suitable for private collections only; the *todeas*, for instance, that require specially built structures in which to grow them; the *adiantum*s, which are too tender for house plants, but are grown in large quantities for cut fronds. There are also many other ferns equally beautiful, such as the *gymnogrammes* and *davallias*, but they are not adapted for commercial purposes. It is to the commercial fern that I shall confine my answer. To my mind, the most valuable characteristic in a fern is its adaptability to house adornment, which includes its lasting qualities when transferred from the greenhouse to the home. From the grower's and retailer's standpoint, the most valuable characteristic in a fern is its money-making qualities; to be a money-maker it must be a free grower and a free seller, and to be a free seller it must be graceful, symmetrical and a hardy house plant. In fact, it must have most of the good points of a fern, such as *Nephrolepis Scottii* has been pronounced to possess by the leading growers and retailers all over this country, and also by the committee of awards of this club.

New York.

THE MARKET.

As a result of the cleaning up of last week the market opened on Monday under somewhat better conditions. Products are moving without force, and the general tone of the market is heightened. Prices have not improved in the same proportion and the better grades of stock are still depressed. American Beauty roses are less plentiful; but very little business is being done at better than twenty cents. Bride and Bridesmaid though firmer, command no better prices than quoted for last week. The dull and rainy weather of the second half of last week did much to shorten supply, and was a distinct benefit to the market. Bulbous stock continues to come in in quantities. Jonquils and daffodils are heavy in supply, and something of a rush is noticeable among growers to get the remaining crop in. As a result the best stock is not commanding more than two dollars per hundred. Outside grown bulbous stock is getting to be quite a factor in the market, but sales are made at very nominal figures. Violets are shortening up and the quality is deteriorating, consequently they move slowly, and are almost unquotable. A few of the growers are nurs-

ing their stocks with a view to figuring in the Easter market, and it is possible they may do so at a profit. Easter plants are putting in an appearance, and appear to sell fairly well. Nearby growers are visited daily by retailers seeking to cover for the holiday season's requirements. The lily problem is quite prominent just now, and becomes every day, with the present condition of the weather, more intricate. Orders have been booked freely at twelve cents per bloom for good quality stock, and the indications are that the market will not be overcrowded. The plantsman is expecting a very good market during the holidays, and it seems more than likely that his expectations will be realized.

Market, March 29.—The market is



L. H. Neubeck.

(President-elect Buffalo Florists' Club.)

sluggish in tone, with arrivals heavy and difficult to clean up.

NOTES.

Mrs. Hyatt, widow of the late T. Burroughs Hyatt, a grower of Winfield, L. I., died March 24 in her 67th year. After her husband's death the business was conducted by her son until September last when, death claiming him, it was continued by the mother. No announcement has been made as to who will continue the business.

Michael J. Cox, gardener to the wizard, Thomas A. Edison, Llewellyn park, West Orange, N. J., died last Monday, breaking his neck through a fall down stairs at his residence. He leaves a widow and three children.

Charles Millang is receiving some fine *Rhodocanachi* roses from V. Zuber. He has arranged to handle the lily stock of John Mesmer, Newtown, L. I., for Easter, the cut stock to aggregate 20,000, and plants 2,000.

The New York Cut Flower Company has arranged to close at 5 p. m. in future. The New York Cut Flower Exchange will also close at the same hour. Both concerns have hitherto kept open until 6 p. m.

The employees of Siebrecht & Son gave an entertainment and dance last Saturday evening in aid of the widow of Paul Beuchel, formerly an employe

of the firm. A substantial sum was realized.

Julius Roehrs Company is sending in beautiful specimens of azaleas in pyramid form. Baby Rambler rose is also coming from the same concern, well grown and flowered.

At the celebration of the fortieth anniversary of Tony Pastor's theatrical managership, two express wagons were required to remove the floral tributes to his home.

Dr. W. L. Britton, director in chief of the New York Botanical Garden, has returned from a trip to the Bahamas, with a collection of about 10,000 specimens.

Henry Ulrich of Woodside, L. I., lost a valuable horse last week. The animal dropped dead near his house, supposedly from heart disease.

Ford Brothers have moved into their new store on Twenty-eighth street, and are open for business there.

The firm of H. M. Schiebler & Company has dissolved. The business will be continued by Mr. Preuss.

Chicago.

A QUIET WEEK.

The past week will go on record as being probably the slowest week of the 1905 season. Last week ended with fairly satisfactory results, but on Monday the market was almost entirely barren of buyers and stock piled up at a rapid rate, the warm weather and the general apathy of the buying public contributing to a heavy oversupply in almost all lines. The local retail trade has been very quiet and the street men cannot begin to keep the surplus moving, even if they do quote prices which should make a carnation ashamed of itself. Carnations, outside of the very best grades are indeed plentiful and price is no consideration as long as the stock can be turned and saved from the dump. Roses are also growing very plentiful, especially the medium American Beauty. Several of the largest growers are now in with the heaviest cuts of the year and the receipts are making themselves felt. Teas are being sacrificed at pathetic figures in order to move them. Some of the best long stemmed Bride and Bridesmaid could be secured at \$25 per 1,000 and even lower. Bulbous stock is being hard pushed by the sun and the outlook for this line at Easter grows more gloomy. Violets are showing the effects of the spring weather, although some good ones are still seen. Green goods hold a consistent demand.

FLORISTS' CLUB SPRING EXHIBITION.

An exhibition of Easter stock was successfully carried out under the auspices of the Florists' Club, Thursday, March 23, in connection with the regular semi-monthly meeting. A spacious room in Handel hall on Randolph street was secured for the occasion, and under the supervision and management of George Asmus a number of excellent exhibits were staged. The attendance, however, was limited, the weather in the morning being rainy, and this fact no doubt helping to contribute to the limited number of exhibits as well. What was shown was of exceptional quality.

Interest centered in a display of Bride and Bridesmaid roses, two vases each, shown by Weiland & Risch. Foreman D. J. Murphy deserves great credit

for the excellence of the stock shown, which was characterized by fine foliage, good stem and splendid color and size of bloom.

The Garfield Park Floral Company sent a miscellaneous collection of Easter stock embracing rhododendrons, azaleas, primroses, *Lilium Harrisii* and *L. candidum*, *Crimson Ramblers* and *marguerites*.

J. Breitmeyer's Sons, Detroit, sent a fine vase of *La Detroit* roses and snapdragon in a variety of colors. Both received much praise.

E. F. Winterson Company had a neat exhibit showing Easter novelties, ribbon, vases and Boston ferns in 5, 6 and 7-inch pots.

Vaughan's Seed Store exhibited a general collection of high grade stock, including box trees, pyramidal and conical, azaleas, rhododendrons, *Dracæna indivisa*, *genistas*, *Baby Rambler* and Boston ferns.

W. N. Rudd, of Mount Greenwood, made a popular hit with a vase of his splendid new pink carnation, *Lady Margaret*. It is a grand new variety, of fine form, strong stem and pleasing color. It was awarded a certificate of merit.

H. N. Bruns showed lily of the valley of the usual high class Bruns standard.

John E. Haines, of Bethlehem, Pa., sent a vase of his new carnation, *John E. Haines*, red, a thing of great merit and popularity.

J. W. Dudley & Son, Parkersburg, W. Va., showed potted hydrangeas of a variety of colors, all well grown.

SEASON

John Zech and Mathias Mann have purchased the wholesale business of Michael Winandy, whose affairs are in the hands of a receiver. The deal takes in the store and fixtures at 51 Wabash avenue, on the second floor of the Atlas building, where the new firm, under the name of Zech & Mann, will conduct a wholesale commission business. They will handle the stock of the Winandy greenhouses and that of Mr. Mann, whose greenhouses are located on North Clark street. Both of these gentlemen are well and favorably known to the local trade, Mr. Zech having been with some of the leading wholesale commission houses in the city, and until recently employed in the establishment of E. C. Amling. Mr. Mann has conducted a growing business successfully for a number of years.

If the bulbous stock can be held back successfully before Easter Sinner Brothers will be among those who will have choicest stock of great variety for that holiday. They have been having exceptional success with calla lilies this season. Their tea roses show marked uniformity of quality for this season.

Charles McKellar is showing a choice selection of Easter novelties, including chicks, twig baskets, etc. He recently received a large consignment of satin gros-grain ribbon so popular with florists several years ago. *Gardenias* have been in good demand locally and Mr. McKellar is handling the bulk of them.

Operations at the Edgebrook range of the George Wittbold Company are progressing rapidly. Their miscellaneous stock of Easter plants is of high standard and Louis Wittbold states that early inquiries from the north side retail trade indicate a banner Easter season.

The E. F. Winterson Company have been making a number of important improvements in their offices and store, 49 Wabash avenue. The office has been moved to the north side, thus allowing more room, more light and more convenience.

Albert Fuchs has announced an auction sale for April 12, when he will dispose of four greenhouses and a large stock of palms and greenhouse material, pots, etc.

Mrs. L. A. Budlong, sister-in-law of J. A. Budlong, died March 25, aged 72 years. The interment took place at Rose Hill cemetery Tuesday afternoon.

Jacob Geimer, formerly with Peter Reinberg, has taken charge of the M. Winandy greenhouses, now in the hands of a receiver.

I. I. Craig has a nice patch of *Dendrobium nobile* in full bloom at the Chadwick place on Belmont avenue.

A. L. Randall Company will have a plentiful supply of *A1* white lilac for the Easter demand.

Howe & Taylor Manufacturing Company reports a good market for wire works.

Philadelphia.

PRICES HAVE FALLEN.

Although prices rule uniformly lower in all lines of stock when compared with those of two weeks ago, it seems to offer no encouragement to buyers, and business is dull, the demand apparently being only for flowers that are considered necessary. H. H. Battles some years ago in speaking of the idea that the masses would buy flowers, if only they could be placed at figures within the reach of everybody, said, that people bought flowers when they wanted them; a few might be tempted by low prices, but not to any extent, and he referred to the violets which a certain vendor was selling at very low prices on the street, and yet people were passing by in droves, seemingly paying very little attention to the low prices he was constantly crying out. American Beauty roses have taken another drop; \$3 is now high per dozen, and two dozen may be bought for \$5. Teas are holding their own at \$10 for the specials while very good stock can be found for \$8. Carnations sell from \$1.50 to \$4, the latter for very choice stock. Violets are getting smaller, particularly the single ones. It is to be hoped the doubles will last until Easter.

NOTES.

Mrs. Otto Thilow was buried on Tuesday afternoon. The H. A. Dreer Company's city store and offices, 714 Chestnut street, was closed from 2 to 3 p. m. Mr. Thilow is chief in this department and this action to show their respect was taken by the firm. Mr. Thilow has the sympathy of the entire trade in his deep affliction.

At Horticultural hall in the park they have a pretty show of blooming plants consisting mainly of *acacias* and *Primula obconica*. There are some *cinerarias*, azaleas, etc., arranged with them. The effect as a whole is showy and attracts many visitors.

The Easter plant growers say that business promises to be very good as orders are being received daily for their choice stock. Everything appears to be coming along nicely with the exception of the bulbous stock which it is thought will be difficult to hold.

W. K. Harris has several large plants of *bougainvillea* in full flower which make a magnificent show. They stand about nine feet in height and are a perfect tower of blossoms.

Godfrey Aschmann is about again after a five weeks' siege with an attack of the grip.

K.

Boston.

The market has to all appearances recovered from the slump of the past few weeks, and everything is now selling freely at advanced prices. Carnations show the most pronounced advance, fully 50 per cent, and are selling at from \$3 to \$4 per 100. White carnations are especially scarce. Roses of all varieties have stiffened up and are selling well at an advance of 25 per cent. Daffodils and all the other varieties of bulbous stock are selling freely, at good average prices. Violets are holding their own, and Easter lilies are selling well, the supply being taken up each day.

Mrs. A. W. Kidder, of Waltham, has been bringing in some especially fine wall flowers.

H. P. S.

St. Louis.

TOO MUCH STOCK.

The cut flower market during the past week has been rather overstocked with almost everything. Roses and carnations are plentiful and the prices have been considerably reduced. Bulbous stock which some of the cut flower growers have been trying to keep back in cold frames and storage houses for Easter, must be put on the market, and, as a consequence, everyone who needs anything can get it in quantities at very low prices. Violets are practically over on account of the warm weather. There has been considerable funeral work.

NOTES.

The Plant and Cut Flower Growers' Association had an interesting and enthusiastic meeting on Wednesday, March 15. They elected fifteen new members and everything promises the perfection of an association which will have considerable influence for the good of the trade in this city. The committee was appointed to confer with and offer the good offices of the club to the committee which has charge of the flower show in behalf of the St. Louis Florists' Club. It was conceded and seems to be well understood that this association is not in conflict with the old club. They are willing to lend a helping hand whenever they can and in return expect respectful and considerate treatment from the Florists' Club. At the next meeting Dr. Halstead, president, will read a paper on the subject of "Growing Cut Chrysanthemums for Exhibition." The next meeting will be held on April 19 and all growers in this vicinity are cordially invited to attend the meeting.

The greenhouse men are still busy getting their stock ready for spring sales and in many cases the markets have already opened. Tom Carr, Marshall & Twist and John Wall, at Union Market, have their plant booths in full blast and report trade as very satisfactory. They only hesitate a bit because of the fear of more cold weather.

Dr. Wm. Trelease has returned from his Mexican trip looking hale and

hearty and is full of anecdotes and experiences relative to botanical subjects in Mexico.

Fred Pape, of Pennsylvania avenue, and Schray & Son are sending quite a lot of good plants to the markets.

V.

Baltimore.

BUSINESS GOOD DESPITE WEATHER

The cut flower trade for the past week has been fairly active, considering the unpropitious weather conditions some six days out of the seven, and a sullen, damp atmosphere which took pretty much all spirit out of the retail business. One or two thunder storms give evidence that the winter is over, and the few hours of sunshine seem to presage that there will be little gradation from winter to summer, the thermometer going up beyond 70°. Flowers are more abundant and improve in quality; carnations and violets will soon, apparently, be here in excess, and roses are quite sufficient for all requirements. Some of our neighbors of the City of Brotherly Love, in a spirit which some think does not comport with the name, seem to indicate the condition of the market there by forwarding generous boxes of "free samples" of fine roses, etc., to the stores here, a practice which, naturally, evokes resentment in certain quarters. The mortality lists grow, as is usual at this season, the great and sudden variations in temperature tending to fatal results in pulmonary and bronchial diseases. Naturally this increases the calls for funeral offerings. There is some uncertainty yet as to Easter supplies, much complaint existing as to the poor results from the lily and other bulbs. Doubtless, however, as is usual, the event will bring out sufficient for all needs. Saturday night the stocks in hand were pretty well cleared out, and a hopeful feeling prevails that conditions will now improve all around. S. B.

Buffalo.

TRADE CONTINUES FAIR.

Fair weather nearly all last week with continued good trade. The dog show is getting to be a society event in Buffalo and last week was no exception. Palmer's upper store had a pug dog of violets while Anderson had a Russian wolf hound; both animals were very life-like and I am informed that had it not been for the plate glass windows many dog fights would have occurred on Main street.

FLORISTS' CLUB ELECTION.

The election and banquet of the Florists' Club took place at W. F. Kasting's place on Tuesday evening and was well attended. The election resulted as follows: President, L. H. Neubeck; vice-president, Charles Guenther; treasurer, Charles H. Keitsch; secretary, W. J. Peake; financial secretary, Emil Bruecker; executive committee, W. F. Kasting, William Scott, Sr., George Urban, Jr.

After all business had been transacted all adjourned to the banquet room where a sumptuous spread was laid out; William Scott, Sr., retiring president, was toastmaster and it is needless to say that the position was ably filled. The speakers were not as numerous as last year, but very interesting. The brilliancy of being an ama-

teur was ably responded to by George Urban, Jr.; "Art in Horticulture," D. B. Long; "Politics and Flowers," William F. Kasting; "Flower Shows," C. H. Keitsch; "Retail Trade and Attractive Windows," W. A. Adams; "Managing a Big Store," Ed. Slattery; "What a President Should do and Whom I Would Like to Emulate," L. H. Neubeck; "The Easy Job," Charles Guenther; "Accurate Reports," W. J. Peake; "How to Collect and not Offend," Emil Bruecker; Messrs. Harris and Holmes spoke on our new homes in Buffalo and Mr. Wells on his experience in his new greenhouses.

Prof. Koch's orchestra enlivened the evening with sweet music, and songs by Messrs. Boeller and Keitsch helped to make every one happy.

NOTES.

Recent contracts of the King Construction Company, of North Tonawanda, N. Y., include new greenhouses for the following growers: W. J. Palmer & Son, Lancaster, N. Y.; Wm. Fendley, Brampton, Ont.; P. H. Ryan, Saranac Lake, N. Y.; Hall & Robertson, Montreal, Can.; Alban Harvey & Son, Brandywine Summit, Pa.; J. H. Dunlop, Toronto, Ont.; D. T. McCarthy & Sons, Lockport, N. Y.; The Toronto Floral Company, Davisville, Ont.; P. R. Quinlan & Company, Syracuse, N. Y.; A. E. Cole, Grimsby, Ont.

Palmer & Son had fine rose plants on sale at the lower store. Bargain days are still popular, violets in one store and two others selling roses one day at 25 cents and 50 cents per dozen. Bright days work wonders.

George Reichert resigned the management of Byrne Brothers' greenhouses, at Williamsville, N. Y.

J. B. Milley is managing W. F. Kasting's greenhouses and store in Erie, Pa.

Edward Slattery is now back at work after a severe illness.

Funeral work has been very brisk the last week. BISON.

New Orleans.

NORTHERN FLOWERS UNSATISFACTORY.

ED. AMERICAN FLORIST:—

The undersigned has been requested by the New Orleans Horticultural Society to write the following article for publication in your valuable paper, thus affording us assistance in bettering existing conditions.

C. W. EICHLING.

At a meeting of the New Orleans Horticultural Society a discussion arose as to what redress the receiver of a worthless shipment of cut flowers or plants will have. Most of the florists receive their shipments C. O. D., without the privilege of inspection. In many cases flowers arrive in a damaged condition; the express company collects the money for them and the receiver is the loser.

Experience teaches us that when flowers are in a condition for long distance shipment and the proper care is taken in packing, they will arrive in good condition and will last in a good refrigerator for several days. Carnations and roses have often been held for a week in salable condition. This proves beyond a doubt that something was wrong with such flowers that arrive in bad condition with the ice compartment intact. Either the flowers were not long enough in water before shipping or they were too far advanced when cut. The latter seems to be the trouble and can easily be avoided.

The New Orleans Horticultural Society has taken action on the question. A committee of three was appointed, to whom every case is to be submitted where flowers or plants arrive in bad condition. The committee will inspect the shipment and place the blame, if possible, and will assist the

receiver of bad lots to recover his loss, be it partial or whole. The names of shippers will be brought before the meeting and their methods discussed. Impartiality and justice are the principles on which the committee will act and great improvement of conditions, for which there is ample room, is looked for.

A shipper of an honest package cannot reasonably refuse inspection of goods before he demands payment. When American Beauty arrive with a beautiful purplish hue, they are ripe for the dump, and the shipper of such flowers knew full well how old they were when packed. When the outside petals of Bride and Bridesmaid are decayed and the flower opens the moment it is lifted from the box, it is time to rush it to some charitable institution as a gift, providing it does not drop before it gets there. We know that with carnations there are a number of circumstances not altogether within the control of the shippers that may cause the flowers to go to sleep; but in many cases loss can be avoided by careful selection for long distance shipping, and as far as New Orleans is concerned shippers will have to be careful in the future if they want to hold and increase their trade in the Crescent City.

New Orleans is a large buyer of cut flowers and relies for its supply entirely on the north. Not a rose or a carnation is grown in New Orleans. The receiver of a bad lot cannot go to the wholesaler and buy. He is entirely helpless; loses his stock and is unable to supply his trade. These are the conditions that compelled the New Orleans florists to take some action in the matter for mutual information and protection. Personal letters to some of the large shippers have been fruitful of good results and promises have been made, which if adhered to by the shippers, are bound to increase their trade in New Orleans.

What has been said in regard to flowers holds good for plant shipments. Express rates to extreme distances are high and a lack of judgment on the part of the shipper has cost us many a hard earned dollar. Many a time we pay expressage at the rate of \$4 to \$5 per 100 pounds on boxes three times their necessary weight and for balls of beautiful rich soil, sawdust and paper, doubling and trebling the original cost of the plants. And the plants themselves! How do they compare with the high sounding adjectives in the advertisements? Our trade papers are often made the agents for unscrupulous and fraudulent shippers. It is for such cases that our committee is appointed and no doubt its vigilance will effect an improvement in existing conditions.

Santa Barbara, Cal.

Robert Armstrong of the El Montecito nurseries has been selected as the landscape gardener for the proposed improvements at Ocean Park for the "Venice of America" inaugurated by Kinney Brothers, the large wholesale tobacco merchants of the east. The work will require two years' time for completion and will be of the order of Persian gardens. The selection was made after much deliberation, when all the landscape artists of the state were considered.

Salt Lake City.

The greenhouses of the Salt Lake Floral Company have been sold to P. E. Law, of Butte, Mont., who will carry on the business as before and grow for the trade.

J. B. Feldman, formerly of the Salt Lake Floral Company, will put up a new range of houses and grow carnations and general plant stock for the trade.

LIMA, O.—A new retail store has been opened here in the Lynde drug house by the Swan Floral Company, of Findlay.

MANSFIELD, O.—Fire in the greenhouses of Andrew J. Winget on the night of March 12 destroyed much glass and damaged many plants coming into bloom for Easter.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at \$1.00 per inch, net.

The advertising Department of the AMERICAN FLORIST is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send the old address at the same time.

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THE eastern battle of roses is over. For details see the show reports in this issue.

EASTER is still three weeks ahead and it is therefore necessary that growers exercise unusual watchfulness over their stock as the weather warms up.

GENERAL JOHN M. WILSON, chairman of the committee on the Washington inauguration, writes highly commending the report of the AMERICAN FLORIST in connection with the decorative features of the recent inaugural ball.

We have received a number of interesting comments on the editorial note which appeared in our issue of March 11 with reference to the trade displays at the annual conventions of the Society of American Florists which, unfortunately, are held over owing to pressure on our space.

The St. Louis Fakir Question.

ED. AMERICAN FLORIST:—

Will you kindly allow me space in your valuable columns in regard to the so called fakir question? Your St. Louis correspondent does not exactly understand the situation and I will endeavor to explain, if possible, the real truth of the matter. It is not true that the street vendor buys the leavings. Only a few weeks ago a street vendor was selling violets at 25 cents per bunch at retail and paid 15 cents per bunch, or \$6 per 1,000, for them, and bought 5,000 of them. The legitimate florist who purchased at another commission house put up a sign, 15 cents, underselling the street vendor. Now who was the fakir? Only two weeks ago this same vendor bought 12,000 at \$2 per 1,000 and the store man sold them at 5 cents per bunch. I mention these facts to prove that the street fakir did not undersell the store man. What will the store man gain by fighting his competitor when he himself is a fakir? The fakir gets sore, will rent hallways, even stores with telephone connections, and the public will help him to get these things, especially when the store men want to play the hog. The street man will telephone to all the wealthy ladies and let them know where he is at, and when he has a large family he will use his boys for delivery. Strange to say, the street men of St. Louis know how to make up funeral work. The street men sell a quantity of flowers which otherwise never would be sold, and it is to the interest of the growers to see that they get flowers to sell.

C. W. WORS.

Society of American Florists.

The annual meeting of the executive board will be held at the New Willard hotel, Washington, D. C., on Tuesday, April 4, 1905. Members of the society or others having suggestions to make whereby the usefulness of the organization may be increased and the good of the profession promoted in any of its branches, are cordially invited to send such suggestions in care of the secretary and they will receive careful attention. Address Wm. J. Stewart, secretary, 11 Hamilton Place, Boston, Mass.

Meetings Next Week.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, Saturday, April 8, at 8 p. m.

Columbus, O.—Columbus Florists' Club, Gotschall's hall, Tuesday, April 4.

Detroit, Mich.—Detroit Florists' Club, Cowie building, Farran and Gratiot avenue, Wednesday, April 5, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, Tuesday, April 4, at 8 p. m.

Holyoke, Mass.—Holyoke Horticultural Society, Wednesday, April 5.

Indianapolis, Ind.—State Florists' Association of Indiana, State House, April 4, annual spring show.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial Club rooms, Tuesday, April 4, at 7:30 p. m.

Louisville, Ky.—The Kentucky Society of Florists, Tuesday, April 4, at 8 p. m.

Manchester, Mass.—North Shore Horticultural Society, Friday, April 7.

Milwaukee, Wis.—Milwaukee Florists' Club, Empire building, West Water and Grand avenue, Tuesday, April 4.

Minneapolis, Minn.—Minneapolis Florists' Club, Latham's Conservatory, 83 S. Tenth street, Friday, April 7, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, April 3.

New Haven, Conn.—New Haven County Horticultural Society, Tuesday, April 4.

New London, Conn.—Eastern Connecticut Horticultural Society, greenhouses of Secretary H. H. Appeldorn, Tuesday, April 4.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce, Tuesday, April 4, at 8 p. m.

Pittsburg, Mass.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue, Tuesday, April 4, at 8 p. m.

Tuxedo, N. Y.—Tuxedo Horticultural Society, Tuesday, April 4.

Utica, N. Y.—Utica Florists' Club, 183 Genesee street, Thursday, April 6, at 8 p. m.

Washington, D. C.—Washington Florists' Club, Schmidt's hall, 516 Ninth street, N. W., Tuesday, April 4.

Washington.

STOCK ACCUMULATES READILY.

There was no marked change in the condition of the market during the past week, excepting possibly that the accumulation of certain stocks was greater than for the previous week. The quantity of American Beauty roses that are in sight, that nobody seems to want, is calculated to put one in the frame of mind of the old toper who wept at the burning of a distillery. Bride, Bridesmaid, Golden Gate and other kinds that can be advantageously used in design work and bunches, move more freely. American Beauty are selling, when they do sell, for whatever the seller can get for them, and that ranges from \$3 to \$9 per dozen. The larger stores are holding up the price of Bride and Bridesmaid to from \$2 to \$3 per dozen, and they are better worth that money than much that sold in mid-winter at higher prices. Virginia violets are "too numerous to mention" and retailing in the markets at 25 cents per dozen. Daffodils have become a positive nuisance, being offered in the markets at two dozen for 25 cents. There is a fair demand for cut Harrisii and calla lilies, and also for good lilac, but the latter seems to be pretty well cut out. Hydrangeas are appearing, and though yet lacking color, the prospects are that they will show up well for Easter.

NOTES.

At the Industrial Home school, of which Charles W. Skinner is superintendent, there are several well built greenhouses, and roses, carnations, chrysanthemums, lilies and other stocks are grown. Under the direction of a trained florist, a class of six boys is being taught the rudiments of the business. There has been complaint, which seems unwarranted, from several commercial growers, that they should be brought in competition with the output of a public institution. Let it rather be

a satisfaction to good citizens, as the commercial growers are, to reflect that these boys are being taught an honorable and useful trade. The florist trade needs more good boys; incidentally, a slight increase in the number of good men would also be beneficial.

Present conditions warrant the statement that, let the others be ever so useful, as a flower for the plain people the carnation is peerless and indeed divine. Peter Fisher was recently quoted as saying that, "It is a mystery where all the carnations go to." I can tell him. They go everywhere. In the palace of the multi-millionaire, down to the cottage of the humble laborer, the carnation can be found, and when Mr. Fisher gives us that blue carnation which he has promised, I doubt not that it will be welcomed with the others. While carnation prices are somewhat lower on account of the great cut, they move freely and there is no glut.

Wallace W. Kimmel has severed his connection with Geo. H. Cooke's store and at an early date will open a retail store at 1139 Fourteenth street, near Thomas Circle. Having spent most of his life in this city and being proficient in all branches of the business, Mr. Kimmel should be a success.

George H. Cooke had the decoration of the Church of the Covenant for the wedding of Miss Julia Augusta Kellogg to Andrew Y. Bradley, March 25. The decoration was a tasteful arrangement of palms and Harrisii lilies. The bridal bouquet was of Bride roses; the bridesmaid's of white carnations.

Alex. B. Garden has a fine lot of hydrangeas coming in. He has also a house of calla lilies that are hard to beat, and in Enchantress carnations he will compete with anybody.

J. H. Small & Sons executed several exceptionally fine standing wreaths for the funeral of Col. Manuel de Azpiroz, the Mexican ambassador, which occurred March 28.

Fred H. Kramer seems to have an inexhaustible supply of those fine Bridesmaid roses.

Minder Brothers are sending in an extra fine quality of Golden Gate.

S. E.

Providence.

At last we see the beginning of the end on the violet question. Every grower is falling short on supply, and some have gone so far as to throw out the plants. English are quite poor on all sides, but the single varieties hold good quality with a decrease in size, and noticeably short cut. The price is 50 cents per 100. Carnations are plentiful at 2 cents and roses at 3 to 6 cents. Smilax and asparagus continue in short supply, with hardy ferns high in price and only fair in quality. Business is good.

M.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—A German all-around florist, married. Box 223, care American Florist.

Situation Wanted—By first-class gardener and florist, on private place; married. Best references. Box 227, care American Florist.

Situation Wanted—As a rose and carnation grower; capable of taking charge of small place; life experience. Good references. Address Box 219, care American Florist.

Situation Wanted—By a practical florist; first-class grower of carnations, roses, 'mums and bedding plants; single. Prefer the south. A good designer. Address G. P. MAHOOD, Sherman, Tex.

Situation Wanted—By first-class gardener and florist; 20 years' experience. Prefer position on private place. Know landscape gardening and greenhouse work. Best references. Address Box 290, care American Florist.

Situation Wanted—By good florist, single, German. 18 years' experience in cut flowers and plants. Position wanted as working foreman or section. Good wages expected. By 1st of May. Box 292, care American Florist.

Situation Wanted—By a practical all-around florist, married, age 26; good references; 10 years' experience in all branches. Capable of taking charge of small commercial or private place. Box 293, care American Florist.

Situation Wanted—By competent gardener and florist or will accept place as coachman on private place or otherwise, in either of the Pacific coast states, where a valuable man is wanted for best of salary. Address A. PAUL, 394 Siekiyou St., Station B, Portland Ore.

Help Wanted—A first-class all-around greenhouse man. Please state age, references, etc. J. B. HEISS, Dayton, O.

Help Wanted—All-around grower. State age, experience and wages expected with references. BINZ & Co., Leavenworth, Kan.

Help Wanted—Man for seed store, one who has had experience in retail department. Box 294, care American Florist.

Help Wanted—A young man, single, a good grower of carnations and pot plants of all kinds. Must be reliable and strictly sober. Address WM. MUNNY, Salem, O.

Help Wanted—At once, good all-around man to grow plants and cut flowers for retail trade. FRANK B. SMITH & SON, 57 Vermillion St., Danville, Ill.

Help Wanted—Good grower of carnations, roses 'mums and general bedding stock. Sober and reliable. \$25.00 per month and board. B. B. BLAIR, Charlevoix, Mich.

Help Wanted—Experienced grower of roses, carnations and general stock for retail trade. Good wages to sober, reliable man. Address M. M. STRONG, Sioux Falls, S. Dak.

Help Wanted—Section foreman for carnations. State wages wanted without board, also age and references. Address P. R. & C Co., CRYSTAL FARM, Gibesonia, Pa.

Help Wanted—A young florist who is a good worker and has some years' experience in growing cut flowers and bedding stock. Good wages to the right man. Box 291, care American Florist.

Help Wanted—Two florist girls, two men, April 15. Must thoroughly understand store work. Send references, wages. Address IMPERIAL FLORIST COMPANY, Minneapolis, Minn.

Help Wanted—First-class cut flower worker and designer. Also a good decorator and clerk in high class flower store. Must give reference. FRED HAUPT, 243 W. Jefferson St., Louisville, Ky.

Help Wanted—Single man understanding growing vegetables and roses; no glass. Winter will furnish other work; by year \$26.00 per month and board. Send references in first letter. BORDEN STOCK FARM, Tontli, Ill.

Help Wanted—At once; all-around florist; grower of first-class roses and carnations; strictly sober and industrious. Good wages. Board on place. Give age and references. Address Box 2-8, care American Florist.

Help Wanted—Good reliable man for general greenhouse work; must be sober and a good worker. Wages \$12.00 per week. References required. State age and nationality. Box 201, care American Florist.

Help Wanted—Young man for general greenhouse work; commercial place; steady job and good home; state age, experience, where last employed and wages per month with board. GEO. S. BELDING, Middletown, N. Y.

Help Wanted—A good man that has had some experience in greenhouse work. \$25.00 per month with board and room or \$10.00 with room only. Address C. KRAUSEFELDER, 1602 W. Madison St., Chicago.

Help Wanted—A young lady or gentleman who understands the cut flower business, in our retail department. Must be good on all floral work. Please state wages and full particulars. HUGH SEALES, R. F. D. No. 2, Birmingham, Ala.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Wanted—Second-hand iron frame greenhouse, not more than 12 feet wide. Must be in good condition. State size of glass and full particulars. Box 126, Beaver, Beaver Co., Pa.

For Sale—A well stocked greenhouse for \$750. WM. BALLARD, Perry, Iowa.

For Sale—A good business, in a fine town. Doesn't require a fortune. Investigate. Address Box 221, care American Florist.

For Sale—Coil boiler, 25 pipes, 4 ft. long, 14-inch, at \$15.00. Address C. WINTERICH, Defiance, O.

For Sale—200 feet, 3-inch, second-hand cast iron greenhouse pipe in good condition at 40¢ per ft. GEORGE REINBERG, 301 Balmoral Ave., Chicago.

For Sale—Cheap, a good paying florist business, well established, in San Antonio, Texas. Fine opening here for an up-to-date florist. Address MRS. S. MAVERICK, San Antonio, Texas.

For Sale—35,000 feet, 4-inch cast-iron pipe, 5 foot lengths and fittings; 16 4-inch gate valves; 10,000 feet 8x10, 8x12 and 10x12 double thick imported glass; pots all sizes. Address J. GEIST, Melrose, Mass.

For Sale—Owing to the death of the proprietor, the greenhouses and stock of the Lake Geneva Floral Co., established in 1890 are offered for sale. A good opening for a practical man. W. H. HAMMERLEY, Lake Geneva, Wis.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale—4,500 feet 1½-inch wrought iron pipe, 50 per ft.; 400 ft. 2-inch 70° 230 ft. 3-inch 150° threaded and coupled, good as new. Also a quantity of miscellaneous cast iron fittings two years old, at 70¢ per cent of store prices. WERICK BROS. Co., Pine Ridge, Buffalo, N. Y.

For Sale or Lease—An exceptional bargain for right party; greenhouses with 8,000 square feet of glass. Hot-water heating plant with practically new boilers. 2½ acres of good land in fine location. Well established business in full operation. Apply to ANNA W. KIDDER, Waltham, Mass.

For Rent—At Frederick, Md., greenhouses 18x63, 12x102, 20x162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. HENRY TRAIL, Frederick, Md.

FOR SALE

About 50,000 feet of glass nearly all devoted to carnations, one house of roses and one of asparagus plumosus; houses in splendid condition; two built last summer; 72-inch by 16 ft. boiler heats the place with ease; another large boiler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale and retail trade well established; one of the best shipping points in Michigan, reaching with ease and comparatively short time Chicago, Milwaukee, Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid trade in field-grown carnation plants as well as rooted cuttings. Stock to fine condition. Soil and climate just suited to growing carnations—both quantity and quality. Splendid water privilege for field and houses. An exceptional chance for some one to step into a well established business. Will also sell or rent a large or medium sized house. For further particulars, address Box 228, care American Florist.

The Best Paper in the Trade.

AMERICAN FLORIST Co.:—I send here-with a money-order in payment of my subscription to the AMERICAN FLORIST. Your paper is all right, the best in the trade. F. G. CHAPMAN.

DOROTHY FAUST

CHRYSANTHEMUM.

This is Offered to the Trade as a Sure **MONEY MAKER.** ~ ~ ~
How Long Have We Waited for a Really First-Class Late Commercial White?

Mr. H. I. Faust has grown this variety in quantity, several houses each year, for several years, and has, with difficulty been induced to part with it.

The E. C. Hill Co. had this variety on trial last year, and the following description was written by a member of the firm who is considered by many to be one of the ablest Chrysanthemum experts in this country:

"DOROTHY FAUST.—Pure snow white, very large, incurved but not globular; petals broad and beautifully formed, somewhat loose in arrangement but of splendid texture; the stem and foliage are as fine as those of Eaton; an easy doer, can be planted very close; blooming at Thanksgiving and later makes this a valuable and delightful variety, as it is one of the most beautiful in finish and effect."

MR. W. P. CRAIG, 1305 Filbert Street, Philadelphia.

Dear Sir:—We are very glad to say that we think Dorothy Faust Chrysanthemum a very good variety indeed. We shipped it with elegant success, and the flowers arrived at destination in the best of shape. It is a good keeper; has good stiff stem, and good form, being pure white. We feel it is a very valuable addition to the Chrysanthemum market as a commercial variety.

Very truly yours,

SAMUEL S. PENNOCK.

The above letter from "The Wholesale Florist of Philadelphia," who has handled this variety for several years needs no further comment, nor do the following:

MR. W. P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

Dear Sir:—It is with pleasure that we state that the Dorothy Faust Chrysanthemum, in our estimation, is one of the best commercial varieties and will no doubt, prove a profitable one to the grower, coming at a season when it will command a good price.

Very truly yours,

Pittsburg, Pa., February 23, 1905.

RANDOLPH & McCLEMENTS.

MR. WILLIAM P. CRAIG, 1305 Filbert Street.

Dear Sir:—We have handled considerable of the Dorothy Faust Chrysanthemum, and believe it to be the best late white. The color is so pure, and the straight tough pliable stem does not weaken, as is the case with so many late ones. We have kept flowers two weeks which still looked presentable. We are glad that Mr. Faust consented to send it out this season and believe it will become the standard late white.

Yours truly,

JOS. KIFT & SON.

Philadelphia, Pa., February 15, 1905.

DOROTHY FAUST is a GOOD GROWER, GOOD KEEPER and a GOOD SHIPPER

Every retail florist in Philadelphia will tell you it is the best late white. The price is so low for such a sterling novelty that all Chrysanthemum Growers can invest with profit. 12 plants for \$4.00; 25 plants for \$6.00; 50 plants for \$10.00; 100 plants for \$15.00. Special prices on large quantities. CUTTINGS READY, and all orders will be filled in strict rotation.

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PLANTS, BULBS, SEEDS,

1305 Filbert Street,

PHILADELPHIA.

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Special Spring Number

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Send us your next order, no matter how small or how large; no matter how ordinary or extraordinary it may be. Send it to us; test us; let us **show you** that nothing is too small to receive our best attention; nor too large to tax our capacity.

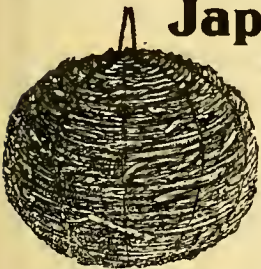
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Write for prices.

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We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cypas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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Now and we will please you. **Branoh Laurel**, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



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BRAND

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Market quotations.

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MILWAUKEE, March 29.		
Roses, Beauty, long, per doz.	5 00	
" " med. " "	2.00@ 3 00	
" " short " "	.75	
" Liberty.....	6.00@12.00	
" Chatenay.....	6.00@ 8.00	
" Bride, Bridesmaid.....	6.00@ 8.00	
" Meteor, Golden Gate.....	3.00@ 8.00	
" Perle.....	3.00@ 6.00	
Carnations.....	1.50@ 3.00	
Smilax.....	12.50@15.00	
Asparagus sprays.....	2 00	
Valley.....	3 00	
Adiantum.....	1.50	
Violets.....	50@ .75	
Callas.....	8.00@10.00	
Romans, Paper Whites.....	3 00	
Harrisii.....	10.00@12.50	
Tulips, Daffodils.....	3 00	

PITTSBURG, March 29.		
Roses, Beauty, extras.....	18.00@25.00	
" " No. 1.....	8.00@12.00	
" " ordinary.....	3.00@ 5.00	
" Bride, Bridesmaid.....	3.00@12.00	
" Meteor.....	6.00@ 8.00	
" Liberties.....	8.00@15.00	
" Perle, Chatenay.....	3.00@ 8.00	
Carnations.....	1.00@ 3.00	
Lily of the valley.....	3.00@ 4.00	
Smilax.....	12.50@15.00	
Asparagus, strings.....	25.00@50.00	
Asparagus Sprengerii.....	2.0. @ 3.00	
Lilies.....	6.00@12.00	
Adiantum.....	1.10@ 1.50	
Mignonette.....	1.00@ 3.00	
Daffodils.....	2.00@ 3.00	

CINCINNATI, March 29.		
Roses, Beauty, per doz.	1.00@ 4.00	
" " Bride, Bridesmaid.....	4.00@ 8.00	
" " Liberty.....	6.00@10.00	
" " Meteor, Golden Gate.....	4.00@ 8.00	
Carnations.....	1.50@ 3.00	
Lily of the valley.....	3.00@ 4.00	
Asparagus.....	50 00	
Smilax.....	12.50@15.00	
Adiantum.....	1.00@ 1.50	
Callas.....	10.00	
Asparagus Plumosus and Sprengerii		
in bunches.....	.25c per bunch	
Harrisii.....	12.50@15.00	
Romans, narcissus.....	3 00	
Violets.....	.50@ .75	

St. Louis, March 29.		
Roses, Beauty, long stem....	3.00@ 6.00	
" " medium stem.....	1.50@ 2.00	
" " short stem.....	.50@ 1.00	
" " Bride, Bridesmaid.....	4.00@ 6.00	
" " Liberty.....	4.00@ 6.00	
" " Kaiserin.....	4.00@ 6.00	
Carnations.....	1.00@ 3.00	
Smilax.....	12.50@15.00	
Asparagus Sprengerii.....	1.50@ 3.00	
" Plumosus.....	25.00@50.00	
Ferns, fancy.....	per 1000, 2 00	
Adiantum.....	1.00@ 1.25	
Violets, California.....	.25@ .40	
" Double.....	.50	
Lily of the valley.....	2.00@ 3.00	
Romans.....	2.00@ 3.00	
Callas.....	8.00@10.00	
Paper White narcissus.....	3.00	

CLEVELAND, March 29.		
Roses, Beauty, per doz. ....	.75@ 4.00	
" " Bride, Bridesmaid.....	3.00@ 8.00	
" " Meteor.....	3.00@ 8.00	
Carnations.....	1.00@ 4.00	
Smilax.....	10.00@15.00	
Asparagus, strings.....	25.00@50.00	
" Sprengerii.....	1.00@ 2.00	
Common ferns.....	2 00	
Violets, single.....	.35@ .75	
" double.....	.50@ 1.00	
Tulips.....	3.00@ 4.00	
Sweet peas.....	.50@ 1.00	

EASTER LILIES
FOR EASTERGet your order in now, so that we can see that you get **good selected**
stock, \$1.25 per 1000. All other stock can be had in quantity.

Put in your order for Wild Smilax for Easter.

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EASTER FORCING**Order Now.**Selected pips, \$12.00 per 1000; \$1.50 per
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I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

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" " medium	20.00@25.00
" " oulls	6.00@ 8.00
" " Bride, Bridesmaid	4.00@ 6.00
" " Extra	8.00@12.00
" " Liberty	1.00@ 8.60
Carnations	1.50@ 2.00
" " Fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Smilax	12.00@16.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, March 29.

Roses, Tes.	4.00@ 6.00
" " extra	8.00@10.00
" " Liberty	6.00@20.00
" " Queen of Edgely, extra	15.00@25.00
" " firsts	10.00@15.00
" " Beauty, extra	15.00@25.00
" " firsts	10.00@15.00
Carnations	1.00@ 4.00
Lily of the valley	2.00@ 4.00
Asparagus	25.00@50.00
Smilax	12.00@15.00
Violets, single	.25@ .40
" " doubles	.30@ .50
Adiantum	.75@ 1.50
Gardenias	.12@ .15
Mignonette	2.00@ 3.00

BUFFALO, March 29.

Roses, Beauty	2.00@35.00
" " Bride, Bridesmaid, Meteor.	2.00@10.00
Carnations	1.00@ 4.00
Harrisii	10.00@12.50
Lily of the valley	2.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilium Longiflorum	10.00@12.50
Violets	.20@ .50

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Send for weekly price list and prices on large orders..

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Market Prices.
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WM. J. MUTH, Manager.

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Traendly & Schenck
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 New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, March 28.

Roses, Beauty, best.....	10.00@20.00
" " medium.....	3.00@10.00
" " culls.....	1.00@ 2.00
" Liberty, best.....	10.00@20.00
" " medium.....	3.00@10.00
" " culls.....	1.00@ 2.00
" Bride, Bridesmaid, G. Gate.....	1.00@ 6.00
" Kaiserin, Carnot.....	1.50@ 5.00
Carnations.....	.75@ 3.00
" fancy and novelties.....	3.00@ 5.00
Lily of the valley.....	1.00@ 2.00
Lilacs.....	4.00@ 8.00
Smilax.....	8.00@12.00
Adiantum.....	.50@ .75
Asparagus.....	20.00@50.00
Tulips.....	1.00@ 2.00
Violets.....	.15@ .25

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Fred. C. Weber, FLORIST,

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Pres.

MILWAUKEE.

C. C. Pollworth Co. MILWAUKEE, WIS. Will take proper care of your orders in WISCONSIN.

CHICAGO.

Established 1857.

The Geo. Wittbold Co. 1857 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

A. Gude & Bro. FLORISTS

1214 F St., WASHINGTON, D. C.

KANSAS CITY.

WILLIAM L. ROCK FLOWER CO. Kansas City, Mo.


BUFFALO,
N. Y.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs.***
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

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P. J. HAUSWIRTH Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

OMAHA.

HESS & SWOBODA, FLORISTS,

1415 Farnam Street, OMAHA, NEB.
Phone 1601 and L. 1682.

SPRINGFIELD.

Mark Aitken FLORIST.

378 Main St., Springfield, Mass.

WASHINGTON.

Joseph R. Freeman, FLORIST,

612 13th St. N.W., WASHINGTON, D. C.

ST. PAUL.

HOLM & OLSON, ST. PAUL.

THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in Minnesota and the Dakotas.

CHICAGO.

TELEPHONES: } Central 2851
Automatic 1038

JOHN MANGEL, FLORIST,

Corner Wabash Ave. and Monroe St. CHICAGO.
Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in every shape executed with care and despatch.
Leading Chicago Retailer.

MILLS THE FLORIST,

36 W. Forsyth Street,
JACKSONVILLE, FLA.

CHAS. CHADWICK,

COR. FULTON & LAGRAVE,

Grand Rapids, Mich.

WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

Carnations, Roses, Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

—A TRIAL ORDER SOLICITED.—

JOHN WOLF,

Wholesale and Retail Florist,

SAVANNAH, GA.

Paper White Narcissus and Roman Hyacinths.

\$2.00 per hundred, in any quantity,

Long Distance Telephone Connections.

GALVESTON.

Mrs. Chas. Eickholt,

2319 AVENUE M.

GALVESTON, TEXAS.

Cut Flowers, Floral Designs, Decorations.
Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.

MOLLER'S

Deutsche Gartner Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription \$3.00 per annum, including postage. Sample copies free.

LUDVIG MOLLER, Erfurt, Germany.

Circulation

which

Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.



A Daily Shipment From 40 to 60 Growers

ENABLES US TO SAY "WE CAN AND WILL FILL YOUR
CUT FLOWER WANTS TO ADVANTAGE." : : : :

Store open from 7 a. m. to 7 p. m. on week days and 7 a. m. to 1 p. m. on Sundays.

We carry the most
Complete Line of
General Florists'
Supplies in the
West. Illustrated
Catalogue free.

Telegraph at our
expense for latest
quotations on any
Cut Flower Sup-
plies.

Specials for the Coming Week:

FANCY HUDSON RIVER DOUBLE VIOLETS.
HOME-CROWN SINGLE VIOLETS.
Pink and White and White SWEET PEAS.
Extra Fine Single JONQUILS.

We are Manufacturers of "PERFECT SHAPE" Brand Wire Work.

Used generally by Florists who want "Frames that will Stand Up."
Illustrated list with discounts free. : : : :

E. F. WINTERSON CO. 45-47-49 Wabash Ave.,
CHICAGO.

CURRENT PRICES.

For Week of March 30th to April 3rd.

Roses.		Per dozen.
American Beauty, 30 to 36 ins....	\$2.00 to \$4.00	
" 24 inches.....	2.00	
" 20 inches.....	1.50	
" 15 inches.....	1.00	
" 12 inches.....	.75	
" Short.....	.50 to .75	
Bride, Bridesmaid, Gate.....	3.00 to 6.00	
Roses, Our Selection.....	2.00 to 4.00	
Liberty.....	4.00 to 8.00	
Chatenay.....	4.00 to 8.00	

Carnations.		Per 100
Fancy.....	\$3.00	
Good Average.....	1.50 to 2.00	
Fair Stock, for bargain sales (Our Selection) Per 1000, \$10.00		
Valley.....	2.00 to 3.00	
Violets.....	.40 to .75	
Callas.....	8.00 to 12.00	
Paper Whites, Romans.....	3.00	
Harrisii.....	10.00 to 12.00	
Tulips, Daffodils.....	2.00 to 4.00	
Sweet Peas.....	.75 to 1.00	
Mignonette.....	.40 to .75	
Asparagus Plumosus, per string.....	.25 to .50	
Asparagus Plum. Sprays, per 100.....	2.00 to 5.00	
Asparagus Sprenger, per 100.....	2.00 to 5.00	
Common Ferns, per 1000.....	2.50	
Galax Leaves, Bronze, per 1000.....	1.00	
" Green.....	1.00	
Green Leucothoe Sprays, per 100, .75; Red, 1.00		
Adiantum.....	1.00 to 1.25	
Smilax, per dozen.....	1.50 to 2.00	
Jonquils.....	5.00 per 1000	

All prices subject to change without notice.



My Specialties For **EASTER**

Everything in Fancy Cut Flowers. ORCHIDS A SPECIALTY.

Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.

A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand.

Also a fine line of Novelties in Florists' Supplies.

If you want the **BEST** at any Time, or all the Time, send to

CHAS. W. McKELLAR,
Long Distance Phone, Central 3598.
Automatic, 3623. 51 Wabash Ave., CHICAGO.

EASTER NOVELTIES.

I quote the following goods for immediate shipment, clean fresh stock just in:

Easter Chicks, fancy imported, doz.,	\$3.00.
" domestic, doz.,	2.00.
Easter Ducks, fancy imported, doz.,	3.00.
" domestic, doz.,	2.00.
Cotton Chicks and Ducks, 25c to \$1.00 doz.	
Twig Baskets or Nests, 75c to \$3.00 doz.	
Mats, plain and fancy, \$2.00 to \$2.50 doz.	
Water-proof Crepe Paper, \$2.60 doz.	
Common Crepe, all colors, 75c. doz.	
Easter Ribbons, finest quality satin, per bolt,	
No. 5 No. 7 No. 9 No. 12 No. 16 No. 22 No. 40 No. 60	
45c 55c 65c 85c \$1.00 \$1.10 \$1.25 \$1.50	
I can supply all colors in above.	
Baby Ribbons, all colors, per doz. sps.,	\$4.00.
Violet Cards, from 50c to \$1.50 doz.	
Violet Ribbon Ties, from 75c to \$2.00 doz.	
Crepe Paper Pot Covers, 50c to \$2.00 doz.	
Match-Sticks, 6-inch, 50c; 12-inch, 75c; 18-inch, \$1.00 per M.	
Fancy Pearl Corsage Pins, assorted colors,	
15c to \$1.00 doz.; \$1.00 to \$6.00 per gr.	
Violet Hampers, from 50c to \$1.50 each.	
Cycas Leaves, Ass't, 24 to 48-inch, per 100, \$12.	
Drives, very finest quality, per doz.,	\$12.00
Next best grade, per doz.,	10.00
Seconds for decorating, per doz.,	8.00
Small Chenille Birds, per doz., 50c, 75c and \$1.	
Folding Easter Bells, white paper, No. 1, 5-in.	
\$1; No. 2, 7-in. \$1.25; No. 3, 9-in. \$1.75 doz.	
Violet Tin Foil, per lb., 35c; 3 lbs., \$1.00; 100 lbs. \$25.00.	
A full line of all other supplies, Wire Designs, Sheaves, Baskets, etc.	

Wietor Brothers, 51 Wabash Avenue, CHICAGO.

WHOLESALE CUT FLOWERS.

—CURRENT PRICES. SUBJECT TO CHANGE.—

AMERICAN BEAUTY.

	Per doz.
36-inch stem.....	\$4.00
30-inch stem.....	2.50
24-inch stem.....	2.00
20-inch stem.....	1.50
16-inch stem.....	1.25
12-inch stem, per 100.....	\$5.00 to \$8.00

ROSES.

	Per 100
Bride and Maid.....	\$4.00 to \$8.00
Meteor and Gate.....	4.00 to 8.00
Liberty.....	6.00 to 10.00
CARNATIONS—Good stock.....	1.50
" Large and fancy.....	3.00

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

GROW NEW ASTER Kate Lock

And it speaks for itself.

HAS BEEN GROWN 48 INCHES HIGH.

Blooms 5 to 6 inches in diameter with very full centers, stems 36 to 40 inches. Shown at largest exhibitions in Canada, taking everything before it. Colors, white, Daybreak and mixed, \$2.00 per 1000 seeds. Not less than 1000 seeds sold. No agents. Don't send checks.

Originator, J. H. Lock, 41 Manchester Ave., TORONTO, ONT.

Please mention the American Florist when writing.

Seed Bags FOR THE TRADE

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

— THE —

Brown Bag Filling Machine Co.
FITCHBURG, MASS.

Please mention the American Florist when writing.

1904 NEW CROP

Asparagus Seed

	Per 100	Per 1000
Plumose Nanus.....	\$.55	\$4.00
Robustus.....	.85	7.50
Sprenger.....	.15	1.00

We are headquarters for all the best flower seeds; 100 page catalogue free.

Moore & Simon, Seed Growers,
207 Market St., PHILADELPHIA, PA.
Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists
and Market Gardeners.

Alfred J. Brown Seed Co.

— GROWERS OF —

GARDEN PEAS and BEANS

For the Wholesale Trade.

Grand Rapids, Mich.
Please mention the American Florist when writing.

SEED GROWERS

Field, Sweet and Pop Corn, Cucumber,
Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
CLARINDA, IOWA.

MILWAUKEE, WIS.—Joseph E. Pollworth, secretary-treasurer of the C. C. Pollworth Company, will be married April 3 to Miss Alma G. Yahr, daughter of F. T. Yahr, president of the Yahr & Lange Drug Company.

BERMUDA Harrisii Bulbs

THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. ❀ ❀ ❀

CHAS. A. V. FRITH,
HAMILTON, BERMUDA.

CARL BECK & CO.

SEED MERCHANTS AND SEED GROWERS.

QUEDLINBURG, (Germany.)

**Mangel Wurzel and Sugar Beet Seeds
A SPECIALTY.**

We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND.

— Telegram Address: SAMENEXPORT, Quedlinburg. —



Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

LEONARD SEED

Write for Prices.

WE ARE

HEADQUARTERS

FOR

ONION SETS.

Flower Seeds
and
Bulbs

CO.

WHOLESALE SEED GROWERS

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Peas and Garden Seeds. WRITE FOR PRICES.

CHICAGO.

Peacock's Dahlias.

Send for beautifully illustrated descriptive catalogue and trade list for 1905, Now Ready.

L. K. PEACOCK, Inc.,

Atco, N. J.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June 14-16, 1905.

WE are in receipt of the new law of March 3, 1905, prohibiting the importation of insect pests and will reproduce same in an early issue.

THE street merchant is blossoming in the nursery trade in New York city. An elaborate front is made by one on West Broadway near Barclay street, with an awning bearing the sign, "New York and Holland Nursery Company."

Rutherford, N. J.

The new catalogue just issued by Bobbink & Atkins, is encyclopædic in character. Its 104 pages, with closely printed descriptions, and fine half-tone engravings, reflect much credit on its compilers, who emphasize the fact that the catalogue is compiled entirely from the stock to be found in their nurseries and stores. The firm is very busy just now having commenced digging for the filling of orders. They have made their usual preparations for Easter, and their stock is looking fine, spiræa, azaleas and rhododendrons in particular. Their tub factory is running at its utmost capacity to fill orders.

Augusta, Ga.

The commercial peach growers in central Georgia will have a busy time from June 1 to August 1, as the majority of orchards now show a prospect of a heavy yield. In some of the northern sections of the state the peach crop was badly injured by the February freeze. Owing to the intense cold and heavy rains during the middle of February, nearly all nursery work has been delayed, but fortunately the season is retarded and the weather is ideal for planting.

The florists report an excellent season's business, the demand for cut flowers being greater than the supply. The demand for hardy ornamental shrubs, trees and plants has increased wonderfully.

Landscape work is being extensively done. The P. J. Berckmans Company has some large landscape contracts for this fall. B.

American Association of Nurserymen.

The following notice is being circulated by the Alabama Nursery Company, of Huntsville, Alabama:

The American Association of Nurserymen expects to hold its thirtieth annual convention at the West Baden Springs hotel, West Baden, Ind., June 14, 15, 16, 1905.

Every nurseryman in America is eligible for membership. You should join, attend the convention if possible, but if you cannot go to West Baden, you will receive the badge book and annual report which is sent to all members. These books contain the names and addresses of all members and a full report of the meeting, including the discussions, etc., and advertisements of those who wish to buy or sell; \$2 sent to George C. Seager, secretary, Rochester, N. Y., entitles you to membership. Do it now.

The United States Department of Agriculture will send George T. Moore to this convention, to tell us how we can get at the plant food in the atmosphere and use it in our business, and will also send George S. Hedgecock who will tell us about crown gall. Mr. Hedgecock is probably the best posted man in the country on this particular subject, which means dollars to the nurserymen. A great nurseryman in one of our western states to whom we wrote asking about Mr. Hedgecock, says: "He is a square man, sensible and practical, and we can tell you that he is going to knock the wind out of these crown gall professors. If he needed a guarantee we would make it. In brief, he has found out that it is all a false alarm about crown gall being infectious."

We are fortunate in having an American government with which to work. Through the government we are able to secure the services of such men as George T. Moore and George S. Hedgecock. Every live nurseryman in the United States should attend this meeting.

We understand the West Baden Springs hotel to be one of the finest, most comfortable in the country. More than a thousand guests can be cared for at one time. Every room is provided with telephone, hot and cold water; rates as low as \$2.50 per day. In the immediate neighborhood there are many other hotels and boarding houses where accommodations can be had at \$1 to \$2 per day.

Distance from West Baden to Louisville, eighty miles; Cincinnati, 149 miles; St. Louis, 239 miles; Chicago, 279 miles. To us it seems the best place for an interesting meeting the association has known, because there we will be away from the distractions of a great city; the convention will be the principal thing. We should be able to do business and learn how at the same time.

ROSES

We have a surplus of the following varieties, 2 years old, on their own roots. Write for prices.

Wm. C. Egan
Climbing Clothilde Soupert

And the Wichuraiana Hybrids

Robert Craig
Edwin Lonsdale
Wm. F. Dreer.

HOOPES BROS. & THOMAS,
Maple Avenue Nurseries.

WEST CHESTER, PA.

Hardy Roses.

We have an extra fine large stock of all kinds

ROSA LUCIDA
ROSA LUCIDA ALBA (very fine)
ROSA SETIGERA
ROSA DAWSON

SEND FOR CATALOGUE AND PRICES.

EASTERN NURSERIES,

M. M. DAWSON, Manager
JAMAICA PLAINS, MASS.

FORCING LILACS.

AUGUST RÖLKER & SONS, 31 Barclay St., NEW YORK, P. O. Box 752.

FIELD GROWN

—THE— Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.
Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted for growing this line as *Acemone*, *Aster*, *Campanula*, *Delphinium*, *Fuchsia*, *Hemerocallis*, *Hepatica*, *Incarvillea*, *Iris*, *Paeonies*, *Phlox decussata*, and *sufruticosa*, *Primula*, *Pyrethrum*, *Tritoma*, *Hardy Heath*, *Hardy Ferns*. Also 5 acres *Daffodils*, 12 acres *Conifers*, (specially young choice varieties to be grown on), 3 acres *Rhododendrons* (also the best American and Alpine varieties), 2 acres *Hydrangeas*. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

Please mention the American Florist when writing.



Send to **THE MOON**
Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.
Morrisville, Pa.

Please mention the American Florist when writing.

PIN OAKS

MAGNIFICENT STOCK. LOW PRICES.
—Send for Spring List.—

ANDORRA NURSERIES,
WM. WARNER HARPER, Prop.
CHESTNUT HILL, PA.

Please mention the American Florist when writing.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100; \$25.00 per 1000. 2 1/4 to 3 1/4 feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

Please mention the American Florist when writing.

W. van Kleef & Sons,

Wholesale Growers of all
kinds NURSERY STOCK.

BOSKOOP, HOLLAND,

Catalogue free on demand. No Agents. Please inspect our nurseries when in Europe. No agents.

Please mention the American Florist when writing.

Beautiful Grounds.

An Illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Please mention the American Florist when writing.

Best German Pot-Crown in white and blue sorts; also the field-grown *Paris de Marly*, imported to order, for fall delivery. Let us appraise your wants.

Hybrid Perpetual Roses

IN ASSORTMENT.

Also Baltimore Belle, Prairie Queen, Dorothy Perkins, Universal Favorite.

Surplus of Large Flowering Clematis.

Big Stock of ORNAMENTAL TREES, SHRUBS and VINES.

Send for Price List.

E. S. Welch, Prop.

MOUNT ARBOR NURSERIES, Shenandoah, Ia.

North Abington, Mass.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The New York bowlers on Monday evening made the following scores:

Player.	1st	2d	3d	4th	5th
Manda	188	99	137	164	125
Holt	144	185	144	144	142
Shaw	112	115	157	118	118
Siebrecht	170	133	110	152	153
Fenrich	134	160	105	188	164
Hoffmelr	104	156	123	101	...
Guttman	124	146	...	...	...

Detroit.

The passing away of Frank H. Beard, whose death was announced last week, has cast a gloom over the whole trade here as well as over his large circle of friends, outside the florists' ranks. Mr. Beard was a man of most exemplary habits with a kind and generous disposition. He was endeared to all who knew him, and his sudden demise was a shock that will long be felt by his many friends in and out of the trade. He was a progressive man, in love with his life's work and industriously devoted to its development. He was one of the charter members of the Florists' Club, a hard worker and always took an active part in its proceedings. His funeral was a large one and was attended by nearly every member of the club, three of them being pall bearers.

The present very warm weather is making trouble for many growers who are trying to hold back bulbous stock for Easter. Azaleas too are fast coming into bloom and there will certainly be a scarcity of them three weeks hence. The local stock of lilies seems abundant and the plants are uniformly good, and it is quite certain no scarcity of them will be felt at Easter. Violets will be poor and scarce if the warm weather continues. The carnation growers promise a big crop and roses too, are expected to be plentiful.

The firm of John Breitmeyer's Sons, consisting of Philip, Fred and William Breitmeyer, was recently incorporated with a capital of \$75,000. This firm was a successful exhibitor of roses at

the American Rose Society's exhibition at Boston. Three of their awards were with La Detroit. Fred Breitmeyer was the only visitor of the show from here.

Breitmeyer's new building, corner of Miami and Gratiot avenues will be commenced May 1. During its erection, which will take six months' time, the firm will occupy temporary quarters nearby, where they will remove immediately after Easter, using both places to facilitate the work of Easter week.

George A. Rackham, disgusted with the present low prices of carnations is using much of his stock in his campaign for school inspector.

Visitors: A. L. Vaughan, Chicago; George A. Heinel, Toledo, O. J. F. S.

Utica, N. Y.

Trade has been very good for the past month. During the Lenten season the social decorations are few but the sale of cut flowers and plants combined with the large funeral orders has made the past month a record breaker.

A recent visit to Peter Crowe's houses found every thing in fine shape. Mr. Crowe said that he was shipping on an average 5,000 fronds of Adiantum Croweanum a day.

The next meeting of the Utica Florists' Club will be held Thursday, April 6. Nomination of officers will take place, also a fine lunch and smoker.

Brandt Brothers' rose houses are in fine shape. Harry Brandt is receiving many congratulations on his recent victory at the Boston convention.

Frank McGowan is cutting some sweet peas. He is getting ready to move to his newly purchased houses on Sunset avenue.

Spencer & Martin's new store on Genesee street is said by many to be the best equipped flower store in central New York.

Frank Baker is cutting good lily of the valley and carnations. He reports an extra fine business.

Charles Roney of the Lake View Rose Gardens of Jamestown, spent Saturday and Sunday in town.

J. C. Spencer of the firm of Spencer & Martin is in New York looking up Easter stock.

Peter Crowe will spend the next ten days in Boston and New York.

William Mathews is cutting fine orchids.

Columbus, O.

Trade in general about Columbus is very good. Thus far the Lenten season

has had some effect on society trade, but there has been a great deal of funeral work to keep everybody busy.

The exceptionally warm weather is bringing on stock at a rapid rate, and if there will not be a change soon much of the Easter stock will be in ahead of time.

Sherman Stephens is building another house which will be ready in time for bedding plants, of which he has a larger stock than ever before.

The friends of Mr. Graff are glad to see him back at the old stand again, he having fully recovered from a siege of typhoid fever.

CARL.

From present indications catalogue plant trade is better than last year, although last year was the best on record. Orders are coming in freely; they are large and buyers seem to look more for quality than cost. This is especially true of large size roses. It also appears that there will not be enough Baby Ramblers to go around, as every order has this included. W.

SPOKANE, WASH.—The Spokane Floral Association met March 14. Mrs. J. A. Cruzan read a paper on "Luther Burbank."

NORWICH, CONN.—M. J. Field, whose greenhouses were recently destroyed by fire, is rebuilding. The furnace and boiler room will be placed in a separate building.

Orchids!



Arrived in fine condition CATLEYA MENDELLII, DENDROBIUM WARDIANUM, LAELIA ANCEPS and ONCIDIUM TIGRINUM UNGUICULATUM. We also offer a fine lot of well-grown bulbs of CALANTHE VEITCHII.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

Agent, A. DIMMOCK, 31 Barclay St., NEW YORK CITY

Stanley & Co.

SOUTHGATE, ENGLAND.

Cattleya labiata autumnalis, magnificent; leafy dormant, plump and clean plants now arriving. WRITE.

GET IN LINE

And Order Your EASTER STOCK From

SINNER BROS.

WHOLESALE GROWERS 60 Wabash Ave., CHICAGO.

TRY OUR STOCK--You will like it.

TRY OUR SERVICE--You will want more of it.

BULB STOCK

LILIES

ROSES

CARNATIONS

FERNS

GALAX

GREENS

HAVE YOU KEPT YOUR EYE
ON
LA DETROIT

The GRAND NEW PINK ROSE
we disseminated last season?

AWARDS LAST WEEK

AT THE BOSTON MEETING OF THE

AMERICAN ROSE SOCIETY.

John B. Nugent, Jr. Prize, \$25.

BEST 25 BLOOMS ANY PINK ROSE.

First Prize.

BEST 25 BLOOMS ANY OTHER VARIETY.

President Montgomery Prize, \$25.

BEST 25 BLOOMS ANY AMERICAN SEEDLING INTRODUCED IN OR SINCE 1901.

What It Does for Us.

It grows stronger and more vigorous than any Rose we ever grew.

It produces more high grade and long stem blooms than any rose we ever grew.

It produces as many flowers as Bridesmaids planted in same house, same date, same quality of stock.

It is doing well with nearly every one that planted it last season.

It is in a class by itself and has COME TO STAY.

WRITE FOR PRICES.

READY NOW.

JOHN BREITMEYER'S SONS,
DETROIT, MICHIGAN.

THE BEST WHITE CARNATION IS
Lieut. Peary (WARD)
CERTIFICATED 90 POINTS.

PEDICREE—White seedlings for several generations. **COLOR**—Snow white. **FRAGRANCE**—Very strong clove, decidedly fresh, and pleasing. **SIZE**—Large, averaging 3 inches in diameter, on strong stiff stems, 18 to 20 inches in length. **FLOWER**—Full, broad petaled and high center and of a fine symmetrical form. **CALYX**—Long, strong and does not burst. Fine keeper and excellent shipper. **HABIT**—Strong and erect. **GRASS**—Medium width. **CONSTITUTION**—Very vigorous and free from disease. Cuttings root rapidly and will be sent out in the most perfect condition. Commences blooming October 15th and flowers continuously throughout the Winter, affording an abundant crop. A first-class commercial variety in every respect. New booking orders.

Price, \$12.00 per 100; \$100.00 per 1000.

COTTAGE GARDENS CO., Queens, N. Y.
Incorporated.

ALSO THE FOLLOWING
NOW READY:

3,000 ETHEL WARD.....	\$7.00 per 100.
2,000 THE PRESIDENT.....	\$60.00 per 1000
2,000 WHITE LAWSON.....	
5,000 ENCHANTRESS.....	\$4.00 per 100;
2,000 CHRISTMAS EVE.....	\$30.00 per 1000.
2,000 GOLDEN EAGLE, \$5.00 per 100	\$40 per 1000.
1,000 HARRY FENN.....	\$3.00 per 100;
5,000 LAWSON.....	\$25.00 per 1000.
2,000 PROSPERITY, \$2.00 per 100;	\$15.00 per 1000.
3,000 MACKINAC.....	
2,000 THE BELLE.....	\$6.00 per 100.
2,000 LADY BOUNTIFUL.....	\$50.00 per 1000.
3,000 JUDGE HINSDALE.....	
2,000 MRS. PATTEN.....	
2,000 NELSON FISHER.....	
2,000 OCTOORON.....	
2,000 FLAMINGO.....	

50 of a kind at 100 rate; 250 of a kind at 1000 rate.

NEW CARNATION
William Penn

A very pleasing salable shade of pink. I have grown it for five years and it gave me more good salable flowers than any other variety up-to-date. Should be planted by every grower of out flowers if he wants a continuous cut of flowers the whole season. Every shoot a flower. I will mail 25 well-rooted cuttings free of charge for \$2.50; \$10 per 100; \$75 per 1000. 250 for \$18.75. 10,000 cuttings now ready. All orders filled promptly.

FRANK L. KOHR, Lancaster, Pa.
—R. F. D. No. 3—

My Maryland

Was the Sensation of the Chicago
Exhibition. Easily Out Ranks any
Other White. : : : : :

Awarded first-class Certificate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will easily displace any other white. We are booking orders now for delivery January 1906. Price, \$2.50 per dozen; \$12.00 per 100; \$100.00 per 1000. Write us for other new and standard varieties.

H. WEBER & SONS, Oakland, Md.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$6.00	\$50.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	5.00	40.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	3.00	25.00
MANLEY.....	3.00	25.00
H. FENN.....	2.50	20.00
FAIR MAID.....	2.50	20.00
QUEEN.....	2.50	20.00

Same varieties from pots 50c more per 100.

BACKER & CO., Billerica, Mass.
Please mention the American Florist when writing

Rooted Cuttings.

PREPAID, per 100. Ageratum, S. Gurney, 50c. Alternantheras, best red and yellow, 50c; \$4.00 per 1000. Coleus, best bedders, 60c. Fuchsias, Tropaeae and other good sorts, \$1.00. Salvias, Splendens, Bonfire, 90c. Heliotrope, blue, \$1.00. Pelonias, 10 best sorts, \$1.00. Alternanthera, best red, fine, 2-inch, 2 cts. Cash.

BYER FLORAL CO., Shippensburg, Pa.

Please Mention The American Florist
When Writing Advertisers.

Carnations Rooted Cuttings
Ready Now except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000. Strong plants from soil

	Per 100	1000		Per 100	1000
Cardinal, new scarlet.....	12.00	100.00	Mrs. Lawson, .....pink.....	\$3.00	\$25 00
Crisis, new scarlet.....	12.00	100.00	Mrs. Patten, variegated.....	6 00	50 00
Crusader, red.....	5.00	40 00	Nelson Fisher, deep pink.....	6.00	50.00
Dahelm, crimson.....	6.00	50.00	Prosperity, fancy.....	3 00	25.00
Dorothy Whitney, yellow.....	5.00	40.00	Queen Louise, white.....	1.75	15 00
Eclipse, Dorner's pink.....	12.00	100.00	Red Lawson, new red.....	10.00	75.00
Enchantress, light pink.....	4.00	30.00	Richmond Gem, new scarlet...	10.00	75.00
Estelle, scarlet.....	3.00	25.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6 00	50 00	Vesper, white.....	5.00	40 00
Genevieve Lord, light pink...	1.75	15.00	Variegated Lawson, variegated	12 00	100.00
Harlowarden, crimson.....	2 50	20 00	White Cloud, white.....	1.75	15 00
Indianapolis, pink.....	5.00	40.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

THE BEST. NOW READY.

WHITE.	Per 100	1000	PINK.	Per 100	1000
Lady Bountiful.....	\$6.00	\$50.00	Enchantress.....	\$3.00	\$25.00
White Lawson.....	6.00	50.00	Mrs. Lawson.....	2.00	15.00
SCARLET.			VARIEGATED and FANCY.		
Crusader.....	5.00	40.00	Mrs. M. A. Patten.....	6.00	50.00
Cardinal.....	12.00	100.00	Marshall Field.....	3.00	25.00
CRIMSON.			Prosperity.....	2.00	25.00
Harlowarden.....	2.00	15.00			

Chicago Carnation Co.
JOLIET, ILLINOIS.

Please mention the American Florist when writing.

We are still booking orders for own root plants of

THE NEW ROSE WELLESLEY

We have a very fine lot in 2 1-2-in. pots at \$25.00 per 100

Having decided to increase our planting of "Wellesley,"
we have several thousand first-class grafted

Bride and Bridesmaid Roses

in 2 1-2-in. pots, which we intended for our own use, and which are
now offered for sale at \$10.00 per 100. 1000 rate on application.

WABAN ROSE CONSERVATORIES, Natick, Mass.

JOHN N. MAY, SUMMIT, N. J.

Carnations

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise, Pern.....	1.00	9.00

RED.	Per 100	Per 1000
Estelle.....	2.50	20.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00

PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$1.50	\$11.50
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay, Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00
Liberty.....	5.00	45.00

	Per 100	Per 1000
American Beauty.....	\$ 6.00	\$50.00
La Detroit.....	6.00	50.00
Uncle John, Kaiserin.....	4.00	35.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory, Perle.....	3.00	25.00

AM. BEAUTY BENCH PLANTS, per 100.....\$6.00; per 1000.....\$50.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

WHITE LAWSON which we introduced last season has given great satisfaction, and has proved to be The Finest White Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be filled strictly in rotation as received, so the earlier orders are booked the earlier deliveries can be made. We can supply First-class strong rooted cuttings, \$7 per 100; \$60 per 1000. Also the other novelties of the season—Fiancee, Cardinal, Fred Burki, etc. Also the cream of older sorts—Mrs. M. A. Patten, Daheim, Enchantress, Flamingo, Mrs. Thos. W. Lawson, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Geraniums

	Per 100
10 varieties, fine plants, 2½-in. pots.....	\$3.00
10 varieties, fine plants, 3¼-in. pots.....	4.00
Alternantheras, red and yellow.....	2.00
Asp. Plumosus Nanus, 2½-in. pots.....	2.00
Asp. Sprenger, 2¼-in. pots.....	2.00
Lawson and Q. Louise, 2-in. pots.....	3.00
Pansy Plants, small.....	per 1000, \$2.60
CASH or C. O. D.	

COLEUS....

	Per 100
12 varieties, 2¼-inch pots.....	\$2.00
Petunias, double.....	3.00
" seedlings.....	2.50
Centaurea Gymnocarpa.....	2.00
Vinca Vine, Var.....	2.50
Primroses, Chinese, Obconica and Forbesi	
July 1.....	2.00

JOS. H. CUNNINGHAM, Delaware, Ohio.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Please mention the American Florist when writing.

Red Sport

CARNATION.

The great "Bread and Butter" holly berry red. Early and continuous, sure crop for Christmas. Never splits; strong healthy grower, 2 1/4 to 3-inch flower on long wiry stem that well supports the bloom, an easy doer and an all-around money maker. 'Nough said. Price for immediate delivery, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, all postpaid. \$8.00 per 100; \$50.00 per 1000.

QUEEN LOUISE, the standard white, strong healthy well-rooted, \$1.25 per 100, postpaid; \$10.00 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, PURCELLVILLE, VA.
CARNATION SPECIALISTS.

Please mention the American Florist when writing.

Have You Placed Your Order For

FRED. BURKI

The Commercial White?

If not do so. All orders booked
now are for March delivery.....

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, Philadelphia.

Please mention the American Florist when writing.

Wm. P. Craig Importer and
Exporter.....
Plants, Bulbs and Seeds.
1305 Filbert Street, PHILADELPHIA.

UNFIT FOR PUBLICATION

are the prices we will quote on large lots of the following roses :

STRONG, FIELD-GROWN PLANTS, ON OWN ROOTS

CRIMSON RAMBLER DOROTHY PERKINS LA FRANCE

Price for Moderate
Quantities

(and not less than 25 of a kind)
\$9.00 per 100

If You Can Use 500 or More of Any One Kind, get our special prices. They will surprise you. We are over-stocked with these kinds and the first comers get the benefit. They are fine stock.

Send for our complete price list. There are other bargains in it. Use printed stationery. We send it only to the trade.

JACKSON & PERKINS CO. NEWARK, N. Y.

EARLY STRUCK PLANTS

OF EARLY 'MUMS

Ivory, Lady Fitzwygram, Opab, Polly Rose, Mmc. Bergman, Glory of Pacific, Monrovia, Wm. Simpson, Omega,

\$2.50 Per 100

For complete list of new and old varieties send for Catalogue.

CARNATIONS. Sturdy Little Pot Plants From Best Cuttings.

Per 100	Per 100	Per 100
Boston Market.....\$2.50	The Queen.....\$3.00	Mrs. Joost.....\$2.50
Gov. Wolcott.....3.00	Geo. H. Crane.....2.50	Morning Glory.....2.50
Indianapolis.....4.00	Glaioier.....2.50	President McKinley.....2.50
Mrs. E. A. Nelson.....2.50	Lorna.....2.50	White Lawson.....7.00
Mrs. Lawson.....2.50	Floriana.....2.50	Cardinal.....12.00

Send for prices on large lots.

Per 100	Per 100
Dracaena Indivisa, 2 1/4-inch.....\$3.00	SMALL PALMS from 2 1/4-inch pots. Per 100
3-inch.....4.00	Kentia Belmoreana.....\$6.00
Boston Fern, 2 1/4-inch.....3.00	Areca Lutescens.....4.00
Assorted Ferns for Dishes.....3.00	Latania Borbonica.....3.00
	Cucur Weddelliana.....8.00

The STORRS & HARRISON Co. PAINESVILLE, OHIO.

200,000 CARNATIONS

CLEAN, HEALTHY STOCK.

Queen Louise.....\$1.00 \$10.00	Pra. McKinley.....\$1.40 \$12.50
Flora Hill.....1.00 10.00	G. H. Crane.....1.00 10.00
Gov. Wolcott.....1.00 10.00	America.....1.00 10.00
Chicot.....1.20 10.00	Harlowarden.....1.40 12.50
Mrs. Thos. Lawson.....1.40 12.50	Prosperity.....1.40 12.50
Enchantress.....3.50 30.00	Armazindy.....1.00 10.00
Mrs. Joost.....1.00 10.00	Viola Allen.....1.20 11.00
Success.....1.00 10.00	Gaety.....1.20 11.00

Special prices on large lots. Unrooted slips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

ROSES.

Now is the time to place your orders and insure getting good stock for planting.

JOHN N. MAY, Summit, New Jersey.

ROSES.

All the New Varieties of this Year, and a General List, a few of which are

**BRIDE
BRIDESMAID
MRS. MORGAN
MRS. AMES
GEN. MacARTHUR**

**BON SILENE
LA DETROIT
MME. HOSTE
PERLE des JARDINS
MME. A. CHATENAY**

We can give you Stock which we guarantee will give satisfaction.

JOHN N. MAY,
SUMMIT, NEW JERSEY.

ROOTED CUTTINGS.

Fine, Clean, Healthy Stock. Satisfaction Guaranteed.

ROSES.

	Per 100	Per 1000
BRIDESMAID.....	\$1.50	\$12.50
BRIDE.....	1.50	12.50
GOLDEN GATE.....	1.50	12.50
IVORY.....	1.50	12.50

CARNATIONS.

	Per 100	Per 1000
RED		
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00

PINK

MRS. NELSON.....	1.50	11.00
MRS. LAWSON.....	1.50	11.00
GUARDIAN ANGEL.....	1.00	8.00
MRS. JOOST.....	1.00	8.00
GENEVIEVE LORD.....	1.00	8.00
ENCHANTRESS.....	3.00	25.00

WHITE

BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.00	9.00
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	8.00

VARIEGATED

M. A. PATTEN.....	5.50	45.00
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GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226, Kennett Square, Phila.

VICTORY

To Be Disseminated 1906.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

—PLACE YOUR ORDERS FOR ROOTED CUTTINGS.—

	Per 100	Per 1000		Per 100	Per 1000
WHITE LAWSON.....	\$6.00	\$60.00	HARRY FENN.....	\$2.00	\$20.00
NELSON FISHER.....	6.00	60.00	GOETHE, light pink.....	2.00	20.00
MRS. PATTEN.....	6.00	60.00	GENEVIEVE LORD.....	1.50	15.00
ENCHANTRESS.....	3.50	30.00	MANLEY.....	3.00	25.00
PROSPERITY.....	2.50	20.00	MACEO.....	1.50	15.00
THE BELLE.....	6.00	60.00	CERVERA, variegated.....	1.50	15.00
LADY BOUNTIFUL.....	6.00	60.00	LAWSON.....	2.00	15.00

—5 per cent discount for cash with order.—

ALEX. J. GUTTMAN, 52 W. 29th St., New York City.

**READY
NOW**

Gen. MacArthur.

THE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.

2½-inch Pot Plants, own roots.....\$10.00 per 100, \$80.00 per 1000
Strong Grafted Stock from 3-inch pots.....\$12.00 per 100

The STORRS & HARRISON CO.

PAINESVILLE, OHIO.

Please mention the American Florist to advertisers.

Newport, R. I.

TRADE DEVELOPS FAST.

It is getting warmer every day, and the past week clearly shows what is coming, one of the largest season's trade done here for many years. In warm spots sweet peas are being planted, and crocuses are almost showing color; there is still some frost in places, but we have just had a warm rain of two days and now a few days' sun and general early planting will be in order. The florists have been busy and are looking forward to a nice trade the balance of Lent and a great Easter. At present there is perhaps a surplus of bulb stock, but tulips still sell at 50 cents a dozen. Roses hold steady and carnations for good flowers are 75 cents to \$1 per dozen.

NOTES.

The annual meeting of the Island Cemetery Corporation was held last Monday, and a most satisfactory condition of affairs was shown by the various committee reports. The trustees had little to add to previous recommendations; the grounds, avenues and buildings have been well cared for and are in the best possible condition. The superintendent, Col. Andrew K. McMahon, has kept everything to the highest standard.

The next meeting of the Newport Horticultural Society, which takes place Wednesday evening, April 5, bids fair to be largely attended, as great interest has shown itself the past few days regarding the proposed plan of a society summer floral show in the Newport Casino.

Carl Jurgens, Jr., will be married April 10, in Washington, D. C., to Miss Florida Hubbard. The couple after the wedding journey will reside with the groom's father and mother on Pelham street, this city.

Frederick M. Smythe, of Wadley & Smythe, is here from New Rochelle, N. Y., for a few days, arranging matters for the coming season's business of their Casino floral establishment.

The George A. Weaver Company are employing electric platform cars to deliver their large orders of fertilizers to the out of town farmers; a splendid plan for such heavy goods.

A. Brand has removed his store from the center of Thames street, where he has been so many years, to No. 19, at the lower end of the street.

F. L. Ziegler has been having a good run on blooming pansies in 5-inch pots; this firm has also developed a good business in floral pieces.

A visitor this week was J. M. Van Zanten, of Veldhuijzen Van Zanten & Zoren, Lisse, Holland.

X.

Nashville, Tenn.

The very late Easter this year will make it difficult for the florists to hold their lilies back for the Easter trade, but there is every prospect that there will be an abundant supply not only of lilies but of all other flowers. Von Sion narcissi and single daffodils are in abundance. The latter are blooming outdoors in profusion and street fakirs, an unusual thing here, are peddling them, while amateur growers are placing them on sale at drug or grocery stores.

M. C. D.

Now Ready.

**White Lawson,
Flamingo,
Nelson Fisher,
Crusader.**

\$6.00 per 100; \$50.00 per 1000.

**The Three Grand New
CHRYSANTHEMUMS
MAJESTIC, ADELIA and
MADONNA.**
R. C.....\$3.00 per doz; \$15.00 per 100
2-in. pots..... 20.00 per 100
**Three Fine
SNAPDRAGONS,**
Our Giant Pink, a grand
White and a fine Yellow.

\$6.00 per 100; \$50.00 per 1000.

**The Fine New Pink Rose
LA DETROIT.**
2½-inch pots, \$8.00 per 100; \$75.00
per 1000.**The New Red General MacArthur.**

2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

JOHN BREITMEYER'S SONS,
DETROIT, MICH.

FINE
STRONG
HEALTHY
CUTTINGS
ARE

Palmer's
**RED
LAWSON**

SOLD AT
\$10.00 per 100
40.00 per 500
75.00 per 1000
ORDER at ONCE

W. J. PALMER & SON, Lancaster, N. Y.
CARNATIONS

WM. PENN. A promising pink
bloomer ever happened. From soil \$10
per 100; 25 for \$2.50.

Queen Louise, from soil at \$10.00 per 1000.
Floriana, from soil at \$12.50 per 1000.

Big Batch of Cuttings From Sand. Ready
March 20. Send for March price list.

GERANIUMS**ROOTED CUTTINGS.**

Next Delivery April 17. \$10 and \$12.50
per 1000.

100,000 Smilax. 50,000 Sprenger.
50,000 Plumosus and Robustus.

Ready June 1. Send for prices.

ALBERT M. HERR,
Lancaster, Pa.
ROOTED CARNATION CUTTINGS

Per 100 1000
WHITE LAWSON.....\$8.00 \$50.00
FLAMINGO..... 6.00 50.00
ENCHANTRESS..... 3.00 25.00
THE QUEEN..... 2.50 20.00
CARDINAL, from 2-inch pots.....12.00

Larchmont Nurseries,
Larchmont, N. Y.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per
1000. Dissemination 1906. Early com-
mercial.

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis,
Ind.

Please mention the American Florist when writing.

WE WANT TO MOVE

Several Hundred 'Exceptionally Large

KENTIA BELMOREANA and FORSTERIANA

at \$7.00 each Sizes as follows:

Kentia Belmoreana, 12-inch pots, 54 to 60 inches high, 7 to 8 leaves.

Kentia Forsteriana, 12-inch pots, 54 to 60 inches high, 6 to 7 leaves.

This is fine perfect stock and is just what you need for your Easter trade.

We also have several thousand exceptionally fine **LATANIA BORBONICA**, in 8-inch pots, 7 to 9 leaves, 30 to 36 inches high from top of pot. Perfect stock that we will close out to make room at **\$1.25 each.**

We also hope to be favored with your order for the following stock which we can recommend as A1 quality :

Variety.	Size.	Height.	Leaves.	Each.	Doz.	100	Variety.	Size.	Each.	Doz.	100
KENTIA BELMOREANA.....	3½	12-14	5-6	....	\$2 00	\$15.00	PANDANUS UTILIS.....	3	....	....	\$2.00
" " ".....	4	15-17	5-6	....	3 00	25.00	" " ".....	5	....	....	5.00
" " ".....	5	18-22		\$.75	7 50	50.00	" " ".....	6	....	....	9 00
" " ".....	6	22-24	6	1.00	12.00		NEPHROLEPIS BOSTONIENSIS.....	2	1.00	....	.50
" " ".....	6	24-26	6-7	1.50	18.00		" " ".....	3	....	1.00	....
" " ".....	7	32-34	6	2.00	24.00		" " ".....	4	....	1.50	....
" " ".....	7	34-36	6	2.50	30.00		" " ".....	7	....	9.00	....
" " ".....	9	44-48	7-8	6.00	....	....	POA TRIV. VAR.....	3	for ferneries.....	....	5.00
" " ".....	3½	14-16	3-4	2 00	15.00		" " ".....	3	"	....	6.00
" " ".....	4	16-18	4-5	3 00	25 00		CROTONS ".....	3	....	....	1.50
KENTIA FORSTERIANA.....	5	24-27	4-5	.75	7.50	60.00	" " ".....	4	....	3.00	....
" " ".....	6	26-30	5	1.00	12.00		CIBOTIUM SCHIEDII.....	6	....	\$1.50	18 00
" " ".....	7	32-36		2.00	24.00		" " ".....	7	....	2.00	24.00
" " ".....	8	34-38	5-6	2.50	30.00		ADIANTUM CUNEATUM.....	2	....	....	3.00
" " ".....	9	46-48	5-6	6.00	....	....	" " ".....	3	....	1.00	7.00
LATANIA BORBONICA.....	2			.75	5.00		" " ".....	4	....	1.50	12.00
" " ".....	3			1.00	7.00		" " ".....	5	....	2.00	15.00
" " ".....	3½	11-13	4-5	....	2.00		DRACÆNA INDIVISA.....	4	....	1.50	10.00
" " ".....	4	13-15	4-5	....	3.00		" " ".....	5	....	3 00	....
" " ".....	5	18-20	6-7	....	5 00		" " ".....	6	....	5.00	....
" " ".....	6	22-26	7	.60	7.00		" " ".....	4	....	3.00	....
" " ".....	7	26-30	7	1.00	12.00		" " ".....	5	....	5.00	....
PHOENIX CANARIENSIS.....	8	38-42	10-12	3.00	....	....	" " ".....	6	....	6.00	....
" " ".....	12	46-52	12-15	5.00	....	....	" " ".....	7	....	9.00	....
FIGUS ELASTICA.....	4	10-12		.25	3.00		" " ".....	5	....	1.00	12.00
" " ".....	5	16-20	...	.30	4.50		MASSANGÆANA.....	2	....	....	3.00
" " ".....	6	20-22	...	.50	6.00		ASPARAGUS PLUMOSUS.....	2	....	....	1.00
ARAUCARIA EXCELSA.....	4	tiers	2-3	.50	6.00		" " ".....	3	....	1.00	8.00
" " ".....	5	tiers	3-5	.75	9.00		" " ".....	4	....	1.50	12.00
" " ".....	6	tiers	3-5	1.25	15.00		" " ".....	3	....	.75	6.00
" " ".....	6	tiers	3	2.00	....	....	" " ".....	4	....	1.50	10.00
COCOS WEDDELIANA.....	3	....	....	....	2.50		" " ".....	5	....	2 00	15.00
PANDANUS VEITCHII.....	4	....	....	.50	6.00		" " ".....	6	....	3 00	20 00
" " ".....	5	....	....	1.00	12.00		DRACÆNA TER.....	5	22-24	.75	9 00
" " ".....	6	18-20	...	1.25	15.00		FITTONIA VERSCHAFFELTII.....	2	fine for ferneries...	....	5 00
							MARANTA MASSANGÆANA.....	2	fine for ferneries.....	....	5 00

DAHLIAS

Dahlias are coming more and more into prominence and every Florist would do well to plant a stock of good varieties for cutting in the fall and for working up a stock for spring sales. We can especially recommend the following varieties:

Mrs. Browning; double yellow.
Oban; double rosy lavender.
Hohenzollern; orange red.
Zulu, double dark black maroon.
Perle; pure white.
J. H. Roach; double yellow.
Prof. Baldwin; red.
Bartels; double orange and red.
St. George; double yellow.
Sundew; bright orange scarlet.
Evadne; soft primrose shading to
Ami Barrillet; pure garnet, single.

Mrs. A. Newhall; dark crimson shaded to maroon.
Aegir; red.
William Pearee; yellow.
John Cowen; single red.
Mrs. George Reed; pure white.
Camellia Flora; double white.
Lancelot; double red and orange.
Miss Bennett; deep orange.
John Downie; single red.
Miss Annie Nightingale; orange and red, large.
Mrs. A. Beck; red and orange.
Geo. Marlow; primrose, shaded amber.

Loviz; red.
Nance; single purple.
Woodbridge; purplish red.
Strahlein Krone; cardinal red.
Iridescent; double red and orange.
A. D. Lovoi; clean pink double quilled.
Twentieth Century; crimson and white, single.
C. W. Burton; finest yellow decorative dahlia.
William Miller; brilliant purple.
Storm King; double white.
Camellia Alba; double white.
White Lady; white with shade of purple.

We can supply any of the above from 2½-inch pots at \$1.50 per dozen; \$10.00 per 100.

GEORGE WITTBOLD COMPANY, 1657-1659 Buckingham Place,
CHICAGO.

ROOTED CARNATION CUTTINGS.

PINK		
	Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00
RED		
Flamingo.....	6.00	
Crusader.....	6.00	
Crane.....	2.00	15.00
Estelle.....	2.00	15.00
WHITE		
Lady Bountiful.....	5.00	
Vesper.....	5.00	
Bride.....	5.00	
Mackinac.....	5.00	
Moonlight.....	4.00	
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00
Marion.....	2.00	15.00
MISCELLANEOUS		
Judge Hinsdale.....		\$4.00
Mrs. Patten.....		6.00
Prosperity.....		2.50
Harlowarden.....		3.00

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	50.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.60	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS., Fishkill, N. Y.

Please mention the American Florist when writing.

Now is Time to Sow

The New Hybridized Giant-Flowered
OBCONICA PRIMROSES

	1000 seeds	Tr. Pkt.
CARMINE, the best seller.....	\$1.00	\$.50
COMPACTA, a fine potter.....	1.50	.50
BUTTERCUP, Primrose Grandfl.	1.00	.50
BABY PRIMROSE.....	.50	.30
PEPPERMINT, true.....	.75	.30
COWSLIP, large-flowered by- brids, per oz.....	\$2.50	.50
HARDY GARDEN CARNATION, the finest mixture in exis- tence, per oz.....	\$2.50	.50
CANDYTUFT, Giant Empress, lb., \$2.50 oz., 25		

O. V. ZANGEN, HOBOKEN, N. J.

Please mention the American Florist when writing.



Roses.

2½-in. pots, strong plants.

MAID, BRIDE, WHITE COCHET, \$2.50 per 100; \$20.00 per 1000.

GATE and IVORY, 3-inch pots, \$5.00 per 100; \$40.00 per 1000.

AMERICAN BEAUTIES, 2½-inch pots, \$6.00 per 100; \$40.00 per 1000. 3-inch pot plants, \$6.00 per 100; \$50.00 per 1000.

AMERICAN BEAUTIES, strong, two-year old, 5-inch pots, good for Easter, \$25.00 per 100.

COCHET, pink and white, 4-inch pots, \$15.00 per 100.

BRIDES and MAIDS, 4½-inch pots, strong busy plants, \$17.00 per 100.

CHAS. W. REIMERS,

Hite and Field Avenues,
LOUISVILLE, KY.

60,000 GRAFTED ROSES For Forcing

FINEST GROWN.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$12.00 per 100; 3½-inch pots, per 100.....\$16.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100..... 10.00
3½-inch pots per 100..... 16.00

500,000 VERBENAS 60 Varieties.

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....60c per 100; \$5.00 per 1000
Plants, 2½-inch pots.....\$2.50 per 100; \$20.00 per 1000

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

GENUINE BERMUDA ONION SEED

—Grown and Exported by—

WILDPRET BROTHERS, Port Orotava, Teneriffe,
(Canary Islands.)

Write for prices at once and place your order at an early date so as to secure a full supply. Best references required from unknown firms. Orders executed from the Wholesale trade only.

LILY OF THE VALLEY

Forcing tips. Very fine variety.
Apply to

JULIUS HANSEN,
Pinneberg, Germany.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus Seed.

New Crop and clean, \$2.00 per 1000.

SMILAX, 75c per lb. Cash with order.

COTTAGE NURSERY, San Diego, Cal

ASK FOR OUR WHOLESALE PRICE LIST

Bay Trees

with special discounts. Write now; it might be too late tomorrow.

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

600,000 Roses

2-inch pots, \$25.00 per 1000.

Dorothy Perkins.....Empress of China
Evergreen Gem.....Etoile de Lyon
Gardenia.....Golden Gate

Mme. F. Kruger.....Per 1000
Clothilde Soupert.....\$30.00
Mme. Cochet, pink and white..... 30.00
Hybrid Perpetuals, very fine..... 35.00
Climbing and Trailing Roses..... 25.00

For Varieties, See Wholesale List.

The ELIZABETH NURSERY CO.
Elizabeth, N. J.

Please mention the American Florist when writing.

ROOTED CUTTINGS OF EARLY CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook
and October Sunshins.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.
Please mention the American Florist when writing.

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaune**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75c per dozen; \$6.00 per 100.

Anemone Prince Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

	Per doz.	100		Per doz.	100
Achillea, The Pearl, strong 3-in. pots	\$ 75	\$ 5.00	Heliopsis Scaber Major, 4-in. pots.....	\$1.00	\$8.00
Asclepias Tuberosa, strong 1 yr. old roots	75	6.00	Hollyhocks, Dreer Superb Double in		
Asters hardy in var. strong 3-in. pots.	1.00	8.00	separate colors.....	1.25	10.00
" Edna Mercia; a fine new pink var.	2.00	15.00	Hollyhocks, Dreer Superb Double in		
" Grandiflorus; large flowered late			choice mixture.....	1.00	8.00
blue.....	2.00	15.00	Hypericum Moserianum, 3-in. pots.....	1.00	8.00
Boltonia Latisquama, 4-in. pots.....	75	6.00	Iberis Sempervirens, 3-in. pots.....	75	6.00
" Asteroides, 4-in. pots.....	75	6.00	Iris Kaempferi, 24 choice named var.	1.25	10.00
Campanula Moeheimi, 3-in. pots.....	1.25	10.00	" finest mixed.....	1.00	8.00
" Pyramidalis, strong 1 yr.			" Germanica, 12 choice name var....	75	6.00
clumps.....	1.00	8.00	" fine mixed.....	50	4.00
Caryopteris Mastacantha, 3-in. pots....	75	6.00	Lobelia Cardinalis, strong 4-in. pots....	75	6.00
Chrysanthemum Shasta Daisy, 2 1/2-in.			Lychnis Chalcodonica, strong 3-in. pts.	75	6.00
pots.....	60	4.00	" alba, strong 4-in		
Chrysanthemum Maximum Triumph			pots.....	75	6.00
3-in pots.....	75	6.00	" " Rubra, Fl. Pl.		
Cimicifuga Simplex (rare) strong plants	3.50	25.00	strong 3-in. pts.	2.00	15.00
Clematis Recta, strong 2 year old.....	1.50	12.00	" Viscaria Splendens, strong		
Coreopsis Lanceolata, heavy 4-in. pots..	75	5.00	4-in. pots.....	1.00	8.00
Delphinium, Formosum, strong 4-in. pots	75	6.00	Lysimachia Clethroides, strong 4-in pts	75	6.00
" Belladonna (rare) very free			Myosotis Palustris Semperflorens,		
flowering.....	2.50	20.00	strong 3-in. pots.....	50	4.00
Dianthus Latifolius Atrococcineus, 2 1/2-			" Alpestris Grandiflora, strong		
inch pots.....	60	4.00	clumps.....	50	4.00
Digitalis Gloxiniflora, 4-in. pots.....	75	6.00	Paeonies in choice varieties; see cata-		
Doronicum Austriacum, 3-in. pots.....	1.00	8.00	logue for varieties.....	1.50	12.00
" Excelsum, 3-in. pots.....	1.00	8.00	Penstemon Gentianoides, 3-in. pots....	1.00	8.00
Erigeron Coeruleus Grandiflorus, 3-in			Physostegia Virginica, strong 4-in. pts.	75	6.00
pots.....	1.00	8.00	" alba, strong 4-in.		
Eupatorium Ageratoides, 4-in. pots.....	75	6.00	pots.....	75	6.00
" Coelestinum, 3-in. pots.....	75	6.00	Perennial Phloxes, 25 finest varieties..	75	5.00
Feverfew Little Gem, 2 1/2-in. pots.....	60	4.00	Pinks Hardy, 6 best varieties, 4-in. pts.	75	6.00
Funkia Subcordata Alba, 4-in. pots.....	1.00	8.00	Pyrethrum Uliginosum, strong plants.	75	6.00
Gaillardia Grandiflora, heavy 4-in. pots..	75	6.00	Rudbeckia Golden Glow, strong 4-in.		
Gypsophila Paniculata, strong 1 year			pots.....	75	6.00
old roots.....	75	6.00	" Purpurea, strong 4-in. pots.....	1.00	8.00
Helenium Autumnale Superba, 4-in.			Scabiosa Caucasica, strong 3-in. pots..	1.00	8.00
pots.....	75	6.00	" alba, strong 3-in.		
" Pumilum, 3-in. pots.....	1.00	8.00	pots.....	1.00	8.00
" Magnificum, 3-in.			Solidago Rigida, strong 4-in. pots.....	1.25	10.00
pots.....	1.25	10.00	strong 4-in. pots.....	75	6.00
Helianthus Multiflorus Fl. Pl., strong.	75	6.00	Spiraea Aruncus, clumps.....	1.00	8.00
" Maximus, strong	75	6.00	" Chinensis, clumps.....	1.25	10.00
" Maximiliana, strong.....	75	6.00	" Filipendula, fl. pl., 4-in pots....	75	6.00
" Meteor, strong.....	75	6.00	" Gigantea, clumps.....	1.25	10.00
" Soleil d'Or, strong.....	75	6.00	" Palmata, clumps.....	1.00	8.00
" Welley Dod, strong.....	1.00	8.00	" Elegans, strong 4-in.		
Heliopsis Pitcherianus, 4-in. pots.....	1.00	8.00	pots.....	75	6.00



	Per doz.	100
Spiraea Ulmaria, strong 4-in. pots.....	\$ 75	\$ 6.00
" fl. pl., strong 4-in. pts.	75	6.00
Statice Eximia, strong 3-in. pots.....	75	6.00
" Gmelini, strong 3-in. pots.....	75	6.00
" Latifolia, strong 3-in. pots.....	75	6.00
Stokesia Cyanea, strong 3-in. pots.....	1.00	5.00
Sweet Williams, strong 4-in. pots.....	60	4.00
" large clumps.....	75	6.00
Thalictrum Aquilegifolium Atropur-		
purea, 4-in. pots.....	1.00	8.00
Thalictrum Aquilegiafolium Album,		
4-in pots.....	2.00	15.00
Thalictrum Aquilegifolium Roseum		
4-in. pots.....	1.00	8.00
Trollius Aurantiacus, 4-in. pots.....	1.50	10.00
" Europaeus, 4-in. pots.....	1.00	8.00
" Japonicus Excelsior, 4-in. pts.	1.50	10.00
" Orange Globe, 4-in. pots.....	2.50	18.00
Tritoma Pfitzerii, strong per 1000	\$50.00	1.00
" Coralina.....	50.00	1.00
" Macowani.....	75.00	1.00
" Uvaria Grandiflora, str'ng		
per 1000.....	50.00	1.00
Valeriana Coccinea, 4-in. pots.....	1.00	8.00
" alba, 4-in. pots.....	1.00	8.00
" Officinalis, 4-in. pots.....	1.00	8.00

HENRY A. DREER,

(INCORPORATED)

714 Chestnut St., Philadelphia.

Please mention the American Florist when writing.

Palms and Asparagus Cheap.

	Per 100
Latania Bor., 2-in. pot, seed leaves..	8.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	16.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2 1/2-in. pot, 6-8 in., 2 leaves..	10.00
" " 3-in. pot, 8-10 in., 3-4 leaves..	12.50
" " 4-in. pot, 12-16 in., 4-5 leaves..	16.00
Asparagus Sprengeri, 2-inch.....	\$2.00
Asparagus Plumosus Nanus, 2-inch.....	2.50
" " 3-inch.....	5.00

SHERMAN NURSERY CO.,
CHARLES CITY, IA.

JOSEPH HEACOCK,
WYNCOTE, PA.
—GROWER OF—

Kentia Belmoreana
and **Kentia Forsteriana**

SCOTTII

The Most Graceful Nephrolepis Known

Retailers who have handled this fern are unanimous in proclaiming it the best Fern ever introduced.

Consult any grower who has bought Scottii and he will tell you that it is as far ahead of the Boston as that variety is ahead of all other introductions.

See my adv. on second cover page in American Florist of Feb. 25th.

JOHN SCOTT, Keep Street Greenhouses,
BROOKLYN, N. Y.

BRANCH:

E. 45th St. and Rutland Road, Flatbush.

TELEPHONE, 1207 WILLIAMSBURG.

Please mention the American Florist when writing.

Asparagus Plumosus,

50 CENTS PER STRING.

Carnation Blooms and Rooted Cuttings.
Good stock.

W. H. WATSON, Lapeer, Mich.

Scottii Ferns.

Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
2 1/2-Inch.....	\$2.00	\$12.50
3-Inch.....	3.00	20.00
4-Inch.....	5.00	

Pierson Ferns 2 1/2-Inch 60c per dozen, \$4.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the American Florist when writing.

BOSTON FERNS.

Extra fine stock, cut from bench now ready for 5, 6, 7 and 8-inch pots, at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please.

L. H. FOSTER, 45 King St.,
DORCHESTER, MASS.

SUCCESSFUL SELLERS.....

are the Successful growers who advertise in

THE AMERICAN FLORIST.

Easter Plants

A SPECIALTY.

Now ready for immediate shipment blooming Easter Stock for Easter week or before if desired. I am noted and have a reputation for the past 15 years for raising and shipping choice Easter plants throughout the land. I have 9 houses, the frames crowded with plants in better condition than ever before.

AZALEA INDICA, a specialty, three houses full, of my own importation. We sell none in the fall, therefore have none picked out for fall trade. We force them only for our customers for Christmas and Easter trade. Madam Vander Cruysen, they people's choice, best of all pink varieties, plants covered with buds as round as an apple, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. Other best varieties, all shades: Niobe, white; Bernard Andre Alba, Empress of India, Professor Walter, Illustre, Paul Weber and others, 60c, 75c, \$1.00, \$1.25 and \$1.50 each.

LILIU HARRISH and JAPAN MULTIFLORUM, (Michel's special bulbs), 6-inch pots, 5 to 8 buds to a plant, 10c per bud, below 5, 12c per bud. **CINERARIA**, Hybrid, best strain, all shades, 6-inch pots, \$2.00, \$3.00, \$4.00 and \$5.00 per doz. **HYDRANGEA**, Otaksa, 6 to 7-inch pots, pick and few white, \$4.00, \$5.00, \$6.00, \$9.00 and \$12.00 per doz.

SPIRAEA, 2 houses full, Floribunda, Japonica, Blondine, 6-inch pots, \$3.00, \$4.00 and \$5.00 per doz.; Compacta, \$2.00 to \$3.00 per doz.; Gladstone, unusually fine this year, full of buds, perfect jewels, \$6.00, \$7.00 to \$9.00 per doz.

ROSES, American Beauty, 6-inch pots, bushy, 24 to 30 inches high, 50c to 75c each; 5-inch, 30c to 35c each. Hardy Hybrid Roses, including Hermosa, 5½-inch pots, \$3.00, \$4.00 and \$5.00 per doz.

BEGONIA, Pres. Carnot, Flambeau, 3 good benches in all; 6-inch pots, \$3.00 to \$4.00 per doz.; 4-inch, \$1.80 per doz. **ARAUCARIA EXCELSA**, 7-inch pots, 4, 5 and 6 tiers, 25 to 34 inches high, \$1.50 each. **FICUS ELASTICA**, 6 to 7-inch pots, 25 to 35 inches high, \$6.00, \$9.00 and \$12.00 per doz.

WHITE DAISIES, 6-inch pots, \$3.00 per doz. **HYACINTHS**, mixed, from first-size bulbs, my own importation, Grand Maitre, King of the Blue, Gertrude, pink, Grandiflora, white, \$10.00 to \$12.00 per 100.

DOUBLE NARCISSUS or DAFFODILS, Von Sion, double-nosed, 3 in 5½ and 6-inch pot, \$2.00 per dozen pots. **TULIPS**, best selling double, 3 in a 4 inch pot, \$1.50 per dozen pots. **MOONVINE**, A. W. Smith's Hybrid, \$5.00 per 100.

READ THESE TESTIMONIALS:

GODFREY ASCHMANN.

Dear Sir:—The shipment of plants ordered of you came duly to hand and I must say that I am thoroughly satisfied with them. It is a great pleasure to get such stock. Yours truly,

LINDSAY FLORAL CO., N. 19th St.,
Birmingham, Ala.

HELENA, ARK, March 17.

GODFREY ASCHMANN.

Dear Sir:—The Azaleas you shipped me at different times during the past winter, I have found to be most satisfactory plants, always ready sellers, as were also your Araucaria Excelsa. Am glad to know just where to look when in need of fancy stock. Yours truly,

MERRYVALE GREENHOUSES, Helena, Ark.

GODFREY ASCHMANN.

Dear Sir:—The material ordered from you arrived in good shape. The bill has been O. K'd and sent in and will be paid shortly. Please accept my thanks for material sent.

O. M. MORRIS, Dept. of Horticulture, Oklahoma Agricultural and Mechanical College, Oklahoma.

To save express charges, mention with or without pots. Cash with order please. All goods travel at purchaser's risk. My place is 20 minutes from city hall by trolley, Germantown cars, at 13th and 8th Sts.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tloga 3669 A.

1012 Ontario St., PHILADELPHIA, PA

Please mention the American Florist when writing.

Rooted Cuttings

PELARGONIUMS, 15 var., \$2.25 per 100.
VERBENAS, 30 var., 60c per 100; \$5.00 per 1000.
HELIOTROPE, 12 var., \$1.00 per 100; \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100; \$10.00 per 1000.
SALVIA, 6 var., \$1.00 per 100; \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.
DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

Easter Plants

ALL HIGH GRADE.

ERICAS \$1.50 to \$3.50 each. Small Ericas in 3-in. and 3½-in. pots, in varieties, \$2.00 per dozen.

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Strong, Healthy and Well-Rooted.

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Cleveland.

Business is a little better than last week, that is to say, more stock is moving, but values have not increased to any perceptible extent, except carnations which have stiffened in price from last quotations. Roses are still in over supply. Bulbous stock is moving fairly well.

Smith & Fetter's had the family order for the Andrews funeral last week. One of the items was a blanket of lily of the valley and violets which cost \$250. The decoration of the Wade Memorial chapel by this firm was on a magnificent order, white lilac and American Beauty roses being used principally, with asparagus and smilax. They had, in addition to this work, twenty-five large wreaths to make up for the same funeral.

The sympathy of the craft is extended to Casper Aul on the death of his wife who died March 24 and was buried in Lake View cemetery March 27.

ECHO.

—WRITE—

A. F. Kohr

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Price list and samples on application.

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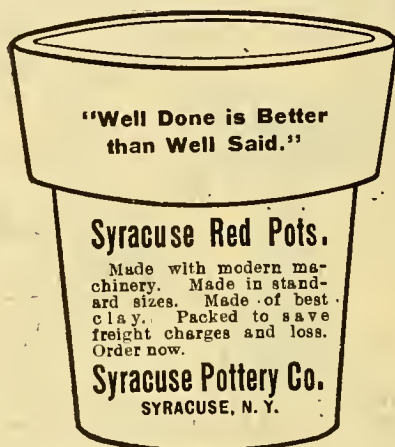
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Price per crate	Price per crate
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1500 3 " " 6.00	
1000 3 " " 5.00	HAND MADE.
800 3 1/2 " " 5.80	48 9-in., in crate, \$3.60
500 4 " " 4.50	48 10 " " 4.80
820 5 " " 4.51	24 11 " " 3.60
144 6 " " 3.16	24 12 " " 4.80
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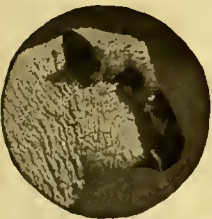
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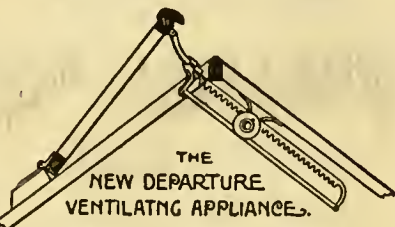


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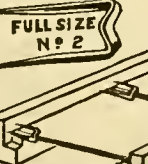
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47th & Loomis Sts., CHICAGO.

JACKSONVILLE, FLA.—The Florida State Horticultural Society will hold its annual convention in May. E. O. Painter, of this city, is secretary of the association.

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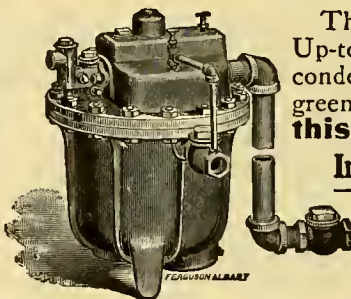
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Asparagus—Asparagus plumosus nanus, 2-in., \$2.50 per 100; 3-in., \$5 per 100; A. Sprenger, 2-in., \$2 per 100.
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Asparagus—Asparagus plumosus 2 and 3-in., \$4 to \$8 per 100; Sprenger, 2 and 3 in., \$3 to \$5 per 100.
Geo. M. Emmans, Newton, N. J.

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Carnations—Rooted cuttings from soil.
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Larchmont Nurseries, Larchmont, N. Y.

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Carnation—Carnation Bride, \$6 per 100, \$50 per 1,000; Phyllis, \$12 per 100, \$100 per 1,000.
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Carnation—Wolcott, White Cloud, Norway, Lawson, Morning Glory, Mrs. Joost at \$12.50 per 1,000; Enchantress and Estelle, \$25 per 1,000; Flamingo, \$50, and Crusader, \$40 per 1,000; America and Prosperity, \$12.50 per 1,000; Gaiety, \$15 per 1,000. All plants shipped from greenhouses, Hinsdale, Ill.
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Chicago Carnation Co., Joliet, Ill.

Carnation—Unrooted carnation cuttings: Queen Louise, Portia, Crocker, Goodenough, 50c per 100; Lawson, \$1 per 100; Gladiolus, bulbs, 75c per 100, \$6 per 1,000. Cash with order.
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Carnation—Red Sport, holly berry red, 2½ to 3-in. flower. Immediate delivery; price, \$1.50 per doz., \$2.50 for 25, \$4 for 50; all postpaid; \$6 per 100, \$50 per 1,000. Queen Louise, \$1.25 per 100 postpaid; \$10 per 1,000.
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Carnation—Strong rooted cuttings. N. Fisher, \$5 per 100; Indianapolis, \$4 per 100; B. Market, \$1.75 per 100, \$15 per 1,000; Wolcott, \$2 per 100, \$13 per 1,000; Lawson, \$1.25 per 100, \$12 per 1,000; Glacier, \$1.25 per 100, \$12 per 1,000; Prosperity, \$1.50 per 100, \$14 per 1,000.
The W. T. Buckley Co., Springfield, Ill.

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Wietor Bros.,

51 Wabash Ave., Chicago.

Carnation—Rooted carnation cuttings. White Lawson, 5,000 ready to be shipped, \$7 per 100, \$60 per 1,000; Lady Bountiful, \$7 per 100, \$60 per 1,000; Mrs. M. A. Patten, \$6 per 100, \$50 per 1,000; Nelson Fisher, \$7 per 100, \$60 per 1,000; Daheim, \$6 per 100, \$50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Mrs. T. W. Lawson, \$2 per 100, \$18 per 1,000; Gen. Maceo, \$2 per 100, \$15 per 1,000; Morning Glory, \$2 per 100, \$15 per 1,000; Mrs. G. M. Bradt, \$3 per 100, \$26 per 1,000; Melba, \$1.50 per 100, \$12 per 1,000; Queen Louise, \$1.50 per 100, \$12 per 1,000. Grafted roses. Write for prices.

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Carnation—Carnation, William Penn, 10,000 cuttings; 25 rooted cuttings, \$2.50; \$10 per 100; \$75 per 1,000; \$250 for \$18.75.

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Carnation—Red Lawson, at \$10 per 100; \$40 per 500; \$75 per 1,000.

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Carnation—200,000 carnations: Queen Louise, Flora Hill, G. Wolcott, Chicot, Mrs. T. Lawson, Enchantress, M. Joost, Success, Pres. McKinley, G. H. Crane, America, Harlowarden, etc.

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Carnation—Strong, healthy, well rooted cuttings. Prosperity, Joost, Lawson and Wolcott, \$2 per 100; Moonlight, \$3 per 100. John Brod, Niles Center, Ill.

Carnation—Victory, to be disseminated 1906; \$12 per 100, \$100 per 1,000, 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, N. Fisher and M. Patten, \$6 per 100, \$60 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Prosperity, \$2.60 per 100, \$20 per 1,000; The Belle, Lady Bountiful, \$6 per 100, \$60 per 1,000; H. Fenn and Goethe, \$2 per 100, \$20 per 1,000; Lawson, \$2 per 100, \$15 per 1,000; G. Lord, Maceo, Cervera, \$1.60 per 100, \$15 per 1,000; Manley, \$3 per 100, \$25 per 1,000. Five per cent discount cash with order.

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Carnations—Sturdy little pot plants from best cuttings, per 100: B. Market, \$2.60; Gov. Wolcott, \$3; Indianapolis, \$4; Mrs. Nelson, \$2.50; Mrs. Lawson, \$2.50; The Queen, \$3; G. H. Crane, Glacier, Lorna, Floriana, M. Joost, Morning Glory, Pres. McKinley, \$2.50; White Lawson, \$7, and Cardinal, \$12.

The Storrs & Harrison Co., Painesville, O.

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Carnation—Carnation cuttings.

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Carnation—Rooted cuttings ready now: Lady Bountiful, Phyllis, Chicago White, Robert Craig, White Lawson. Send for prices. Cardinal, \$12 per 100, \$100 per 1,000; Crisis, new, \$12 per 100, \$100 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; Daheim, \$6 per 100, \$50 per 1,000; Dorothy Whitney, \$5 per 100, \$40 per 1,000; Eclipse, Dörner's, \$12 per 100, \$100 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Estelle, \$3 per 100, \$25 per 1,000; Flamingo, \$6 per 100, \$50 per 1,000; Flora Hill, \$1.75 per 100, \$15 per 1,000; Lord, \$1.75 per 100, \$15 per 1,000; Harlowarden, \$2.50 per 100, \$20 per 1,000; Indianapolis, \$5 per 100, \$40 per 1,000; Lawson, \$3 per 100, \$25 per 1,000; Mrs. Patten, \$6 per 100, \$50 per 1,000; Nelson Fisher, \$6 per 100, \$50 per 1,000; Prosperity, fancy, \$3 per 100, \$25 per 1,000; Queen Louise, \$1.75 per 100, \$15 per 1,000; Red Lawson, \$10 per 100, \$75 per 1,000; Richmond Gem, \$10 per 100, \$75 per 1,000; The Belle, \$6 per 100, \$50 per 1,000; Vesper, \$5 per 100, \$40 per 1,000; Variegated Lawson, \$12 per 100, \$100 per 1,000; White Cloud, \$1.75 per 100, \$15 per 1,000; White Swan, \$10 per 100, \$80 per 1,000.

Vaughan's Seed Store, Chicago, Greenhouses, Western Springs, Ill.

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Chrysanthemum—Three new chrysanthemums, Majestic, Adelia and Madonna, rooted cuttings, \$3 per doz., \$15 per 100; 2-in. pots, \$20 per 100.

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Chrysanthemum—Chrysanthemum novelties: Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen, and all other novelties, 50c each; \$5 per doz. Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per doz. Send for list.

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Chrysanthemum—Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1906 describes them all.

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Chrysanthemum—Fine plants, ready to ship, from soil or sand. White, per 100: Estelle, Kalb, Robinson, Polly Rose, Wanemaker, \$2; Eaton, \$2.50; Bonaffon, Snow Queen, Merry Christmas, Mayflower, Ivory, J. Jones, \$2; H. Plumridge, \$3. Yellow, per 100: October Sunshine, Monrovia, Major Bonaffon, Appleton, Y. Jones, Y. Mayflower, Beauty, Mournier, Omega, \$2; Y. Eaton, Golden Wedding, \$2.50; Wm. Thirkell, T. W. Pockett, H. S. Valls, Kimberly, \$3.

Pink, per 100: Duckham, Cobbold, Balfour, \$3; Glory of Pacific, Pink Ivory, M. Newell, J. K. Shaw, Perrin, M. Liger, Lavender Queen, Richardson, Murdoch V. Morell, \$2. Red, per 100; Oakland, Paul Labbe, Black Hawk, \$2.50.

Wietor Bros., 61 Wabash Ave., Chicago.

Chrysanthemum—Rooted cuttings, Wm. Duckham, Ben Wells, F. A. Cobbold, Lella Filkins, \$3 per 100; Dr. Enguehard, \$4; Mrs. Thirkell, \$2. No order filled less than \$1.

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Chrysanthemum—Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references.

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Chrysanthemum—Rooted cuttings ready now. All best commercial varieties; also some of tried newer sorts. First-class stock.

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The Storrs & Harrison Co., Painesville, O.

Chrysanthemums—Geo. A. Kuhl, Pekin, Ill.

Chrysanthemum—Chrysanthemum Appleton, Bonaffon, Glory of Pacific, Ivory, and others, rooted cuttings, \$1; transplanted in flats, \$1.50; from 2½-in. \$2 per 100.

L. J. Rowe, Titusville, Pa.

Cineraria—Benary's dwarf, budded, right for Easter, cut or 3-in., ready for 6-in., \$4 per 100.

Shellroad Greenhouses, Grange, Baltimore, Md.

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W. & T. Smith Co., Geneva, N. Y.

Coleus—Forty varieties, 70c per 100; \$6 per 1,000.

S. D. Brant, Clay Center, Kan.

Cyclamen—Splendens giganteum hybrids, in five true colors; seedlings, including fringed variety, \$4 per 100; \$35 per 1,000.

Lehnig & Winnefeld,

Hackensack, N. J.

Cyclamen—Cyclamen giganteum, best strains, all colors, transplanted; September sown stock; ready for 2½ and 3-in., \$2 per 100, \$18 per 1,000, express paid.

A. E. Wohlert, Bala, Pa.

Cyclamen—Once transplanted; \$2 per 100, \$18 per 1,000.

C. Winterich, Defiance, O.

Coleus—Twelve var., 2½-in. pots, \$2 per 100.

Jos. H. Cunningham, Delaware, O.

Dahlia—Kaiserin Augusta Victoria, dbl., 4 to 6-in. diameter, stems 12 to 18-in. long, plants 3 to 3½ feet high; stock from 2½-in. pots, \$3 per doz.; \$20 per 100. Delivery May 1.

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Dahlia—Dahlia, Mrs. Winters, \$10 per 100.

W. W. Wilmore, Denver, Col.

Dahlia—Dahlia Sylvia, divided field roots, \$2 per doz., \$15 per 100.

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Dahlias—We wish to announce to the trade that we are successors to W. P. Peacock, dahlia specialist. Send for our beautifully illustrated descriptive catalogue for 1905, now ready.

L. K. Peacock, Inc., Atco, N. Y.

Dahlias—Fine collection dahlias, \$5 per 100.

H. H. Kern, Bonner Springs, Kan.

Daisies—\$1 per 100.

S. D. Brant, Clay Center, Kan.

Daisies—Paris Daisy, giant, 2-in. 2c.

Byer Bros., Chambersburg, Pa.

Deutzia—Easter stock. Deutzias for forcing; strong, two-year-old field-grown plants, for 6-in. pots. Gracilis rosea, \$1 per doz., \$8 per 100. Gracilis Lemoinei, \$1 per doz., \$8 per 100.

Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Deutzia—Deutzia Gracilis, 7-in. pots, 15c each, \$1.50 per doz., \$12 per 100; Deutzia Lemoinei, 7-in. pots, 40c each, \$3.50 per doz., \$25 per 100.

Vaughan's Seed Store, Chicago and New York.

Dracæna—Dracæna indivisa, per 100, 2½-in., \$3; 3-in., \$4.

Storrs & Harrison Co., Painesville, O.

EASTER STOCK.

SOME GOOD SPECIMENS AZALEA INDICA, VARIOUS COLORS, 2½ TO 5 FEET ACROSS. SOME LARGE BUSHES AZALEA INDICA ALBA 4 TO 6 FEET HIGH, WELL BUDDED. SOME GENISTAS FROM 1½ TO 5 FEET HIGH. HYDRANGEA OTAKSA, 8 TO 12-INCH POTS. ALL IN GOOD SHAPE FOR EASTER.

ALBERT WOLTEMATE,

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Easter Stock—Easter lilies, hydrangeas, spiræa Gladstone, rhododendrons, genistas.

R. Dreyer, Woodside, L. I., N. Y.

Easter Lilies—Hinode Florist Co., Whitestone, L. I., N. Y.

Easter Stock—Spiræas, at 25c, 35c and 50c each. Hyacinths, in 4-in. pots, at \$1.20 per doz. Azaleas at \$1, \$1.25 and \$1.50 each. Hydrangeas, 6-in., at 75c and \$1 each. Cannas at \$5 per 100.

Geo. A. Kuhl, Pekin, Ill.

Ferns—Boston ferns, 3, 4 and 5 in., also 2½-in. for bedding out. Plumosus and Sprengeri, 2½, 3, 4, 5 and 6 in.

Geo. A. Kuhl, Pekin, Ill.

Fern—Nephrolepis Scottii, 6-in. pot grown, ready for 8-in., \$15 per doz; 7-in. pot grown, \$24 per doz; 8-in. pot grown, \$36 per doz.

John Scott,

Keap St. Greenhouses, Brooklyn.

Ferns, Etc.—Boston ferns, for 5, 6, 7 and 8-in. pots at \$25, \$50, \$75 and \$100 per 100.

L. H. Foster,

45 King St., Dorchester, Mass.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Etc.—Boston, Plersoni and Scottil ferns.

Geo. A. Kuhl, Pekin, Ill.

Ferns—Fancy ferns, \$1.50 per 1,000; dagger ferns, \$1.25 per 1,000; galax, 75c per 1,000, \$6.50 per case of 10,000. Laurel festooning, 4c, 5c, 6c per yd.; wild smlax, \$5.50 per 50-lb. case; laurel and Princess pine wreaths.

Crowl Fern Co., Millington, Mass.

Fern—Boston fern, 2½-in., \$3; assorted ferns for dishes, \$3.

Storrs & Harrison Co., Painesville, O.

Ferns—Ferns in 4, 5 and 6-in. pots, strong, healthy, well rooted from bench, at 15c, 20c and 30c respectively.

John Brod, Niles Center, Ill.

Ferns—Assorted ferns, \$5 per 100; ready for fern dishes.

C. A. Knapp, Chestnut Hill, Philadelphia.

Ferns—Boston ferns, fine young plants, \$10 per 1,000.

Soar Bros., Little River, Fla.

Feverfew—Plants, 2¼-in. pots, \$2.50 per 100; rooted cuttings, \$1 per 100.

Ludvig Mosbaek, Onarga, Ill.

Feverfew—Little Gem, 2¼-in., 60c per doz., \$4 per 100.

Henry A. Dreer, Philadelphia.

Ficus—Ficus elastica, 6 and 7-in., \$6 to \$9 per doz.

Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Ficus—Ficus elastica, 100 stock plants, the true Belgian Rubber, 7 to 10-in., 35c each, \$20 per 100. Auction April 12.

Albert Fuchs, 2059 N. Halsted St., Chicago.

Forget-Me-Nots—Ever blooming forget-me-nots, rooted cuttings, \$1 per 100.

Byer Bros., Chambersburg, Pa.

Fuchsias—Fuchsias, rooted cuttings, 5 best varieties, 90c per 100.

Byer Bros., Chambersburg, Pa.

Fuchsias—Fuchsias, rooted cuttings, \$1 per 100; 2¼-in. pots, \$2.50 per 1,000.

Ludvig Mosbaek, Onarga, Ill.

Gardenias—Gardenia plants and jessamine, our leading specialty. Natural growing conditions here ideal. 1 yr., 18-24-in., \$1.50 per doz.; \$10 per 100.

C. W. Benson, Alvin, Tex.

Geraniums—Geranium Telegraph, bedding out, conservatory or window; strong plants, 2¼-in., \$15 per 100.

Thomas Devoy & Son, Poughkeepsie, N. Y.

Geraniums—Jean Viaud, S. A. Nutt, Castellane, John Doyle and Perkins. Single and double Gen. Grant, La Favorite, 2-in. pots, \$2.50 per 100.

Geo. M. Emmans, Newton, N. J.

Geraniums—25,000 geraniums; by express, \$2.50 per 100, 2¼-in. pots; by mail, \$1.50 per 100, rooted cuttings.

Ludvig Mosbaek, Onarga, Ill.

Geranium—S. A. Nutt geraniums, healthy, 2¼-in., \$3.50 per 100.

John Brod, Niles Center, Ill.

Geranium—Rooted cuttings, \$10 and \$12 per 1,000.

Albert M. Herr, Lancaster, Pa.

Geraniums—Ten var., 2¼-in. pots, \$3 per 100; 10 var., 3¼-in., \$4 per 100.

Jos. H. Cunningham, Delaware, O.

Heliotrope—Heliotrope, 75c per 100, rooted cuttings.

Byer Bros., Chambersburg, Pa.

Heliotrope—Rooted cuttings, 12 varieties, \$1 per 100; \$8 per 1,000.

S. D. Brant, Clay Center, Kan.

Hemerocallis—Hemerocallis Fulva, \$2 per 100.

H. H. Kern, Bonner Springs, Kan.

Hollyhocks—Double field-grown, \$3 per 100. W. W. Wilmore, Denver, Col.

Hollyhocks—Dreer superb double hollyhocks, separate colors, \$1.25 per doz., \$10 per 100.

Henry A. Dreer, Philadelphia.

Hyacinth—Large assortment hyacinths in pans at \$9 and \$12 per doz., for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Hydrangea—Hydrangea paniculata grandiflora, 2½ to 3 feet, \$1.50 per 100, \$11 per 1,000; 12 to 18-in., \$1 per 100, \$8 per 1,000. Otaksa, red branched, Thos. Hogg, 2-yr. pot grown, \$5 per 100, \$35 per 1,000.

Vaughan's Seed Store, Chicago and New York.

Hydrangea—3,000 hydrangeas, 75c to \$5 each, for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Hydrangeas—Hydrangea otaksa. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Iris—German iris, \$2 per 100. H. H. Kern, Bonner Springs, Kan.

Ivy—German ivy, 2-in., \$2.50 per 100. Geo. M. Emmans, Newton, N. J.

Ivy—Hardy ivies, 2¼-in. pots, plants 4 to 10 in. in height, \$5 per 100.

C. A. Knapp, Chestnut Hill, Philadelphia.

Japanese Novelties—Tiny plants in 2 and 3-in. decorated Japanese pots, \$15, \$20 and \$25 per 100. Rhapis, 5 to 15 shoots, 50c each.

Hinode Florist Co., Woodside, N. Y., and Whitestone, L. I., N. Y.

Lilies—Japan and Harrisil lilies. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Lilium longiflorum—20,000 pots; 12c per bloom, for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Lobelia—Lobelia, dwarf blue, \$1 per 100.

Hill Top Greenhouses, Utica, N. Y.

Marguerites—Two varieties, rooted cuttings, \$1.50 per 100.

Ludvig Mosbaek, Onarga, Ill.

Ophiopogon—Ophiopogon Jaburan, golden striped, finest plant for dish planting, 3-in., \$8 per 100; hardy as Aspidistra. Auction April 12.

Albert Fuchs, 2059 N. Halsted St., Chicago.

Orchids—Cattleya Mendellii; also Lælia anceps and Oncidium tigrinum, etc. Write for special list No. 14. Orchid growers and importers.

Lager & Hurrell, Summlt, N. J.

Orchid—Orchid Cypripedium insigne, A1, 5-in. plants, \$1 cash.

Smith & Young Co., Indianapolis, Ind.

Orchids—Orchids, per 100: Cypripedium insigne, \$8; Cypripedium callosum, \$20; Cypripedium Laurenceanum, \$25; Dendrobium formosum, giganteum, \$9 per doz., \$70 per 100; Vanda Coerulea, 10 to 12 lbs., \$15 per doz.; 12 to 15 lbs., \$22 per doz.

Julius Roehrs Co., Exotic Nurseries, Rutherford, N. J.

Palms—10,000 palms at reduced prices. Kentia, 3-in., \$5 per 100, \$40 per 1,000; 6-in., \$9 to \$12 per doz.; 6-in. Kent. Forst., \$12 per doz.; 7-in. Kent., \$12 to \$18 per doz.; 8-in. Kent., \$24 to \$30 per doz.; 7 and 9 in. Latania, \$1.50 to \$2.50 each. Ten large Cycas, 4 to 8 feet, \$5 to \$35 each; the ten for \$125. One Chamaedorea Wendlandii, eleven feet high, worth \$100, for \$35. Final auction April 12.

Albert Fuchs, 2059 N. Halsted St., Chicago.

Palms, Etc.—Growers and importers, palms and ferns; decorative plants.

Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Palms, Etc.—Palms, ferns and decorative plants.

John Burton, Assignee for Robert Craig & Son, Market and 49th Sts., Philadelphia.

Palms, Etc.—Kentia Belmoreana and Kentia Forsteriana.

Joseph Heacock, Wyncote, Pa.

Palms, Etc.—Latania Bor., 2-in. pot, seed leaves, \$3 per 100; Latania Bor., 3-in. pot, 15-18-in., 2-3 chr. lvs., \$12 per 100; Latania Bor., 5-in. pot, 18-20-in., 3-4 chr. lvs., \$15 per 100; Latania Bor., 5-in. pot, 20-24-in., 4 chr. lvs., \$20 per 100; Kentia Bel., 2½-in. pot, 6-8-in., 2 leaves, \$10 per 100; Kentia Bel., 3-in. pot, 8-10-in., 3-4 leaves, \$12.50 per 100; Kentia Bel., 4-in. pot, 12-15-in., 4-5 leaves, \$16 per 100.

Sherman Nursery Co., Charles City, Ia.

Palms, Etc.—Palms, ferns and decorative plants.

R. Dreyer, Woodside, L. I., N. Y.

Palms—Small palms from 2½-in. pots, per 100: Kentia Belmoreana, \$6; Areca Lutescens, \$4; Latania Borbonica, \$3; Cocos Weddelliana, \$8.

The Storrs & Harrison Co., Painesville, O.

Pansies—100,000 now in bloom, extra large field-grown plants; they are the kind that sell; \$2 per 100, \$20 per 1,000.

A. A. Sawyer, 22 S. Harlem Ave., Oak Park, Ill.

Pansies—10,000 Giant pansies, strong plants from frames, 50c per 100; \$4 per 1,000. Would exchange for good varieties geraniums or chrysanthemums.

Frank B. Smith & Son, 57 Vermillion St., Danville, Ill.

Pansies—Pansy plants, small, 1,000 \$2.60 per 1,000.

Jos. H. Cunningham, Delaware, O.

Pansies—The Jennings strain, cold-frame plants, in bud and bloom, mixed colors; ready April 1. \$1.50 per 100.

Cash with order. E. B. Jennings, Southport, Conn.

Pansies—200,000 fine large plants of the famous large flowering Bugnot's, Cassier's, Odier and Trimardeau, 50c per 100; \$3 per 1,000. Extra large plants coming in bud, \$1 per 100.

Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Pansies—Rooted cuttings.

Ludvig Mosbaek, Onarga, Ill.

Pansies—100,000 pansy plants, \$10 per 1,000. Unrooted cuttings, half price of rooted.

Loomis Carnation Co., Loomis, Cal.

Pardanthus—Pardanthus, etc., \$2 per 100.

H. H. Kern, Bonner Springs, Kan.

Pelargoniums—Rooted cuttings, 15 varieties, \$2.25 per 100.

S. D. Brant, Clay Center, Kan.

Peonies—Choice white; strong divided plants, 3 to 5 eyes, in quantity. Festiva maxima, 35c; Q. Victoria, 12c; Golden Harvest, 20c. Order at once, spring delivery.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies—Peonies and hardy plants. W. W. Wilmore, Denver, Col.

Petunias—Dbl. petunias, rooted cuttings, 10 finest, \$1 per 100.

Byer Bros., Chambersburg, Pa.

Petunia—Double petunias, 2¼-in., \$2.50 per 100.

Ludvig Mosbaek, Onarga, Ill.

Petunias—Double petunias, \$3 per 100; seedlings \$2.50 per 100.

Jos. H. Cunningham, Delaware, O.

Petunias—Double fringed petunia. Six distinct novelties, labeled, \$1.25 per 100, \$10 per 1,000.

W. T. Buckley Co., Springfield, Ill.

Petunias—10 best sorts, \$1.

Byer Floral Co., Shippensburg, Pa.

Petunias—20 varieties, \$1.25 per 100, \$10 per 1,000.

S. D. Brant, Clay Center, Kan.

Pinks—Hardy pinks, six best varieties. 4-in. pots, 75c per doz., \$6 per 100.

Henry A. Dreer, Philadelphia.

Primroses—Primroses Chinese, Obconica and Forbesi; \$2 per 100, July 1 delivery.

Jos. H. Cunningham, Delaware, O.

Roses—Crimson Rambler, Dorothy Perkins, La France, \$9 per 100, for not less than 25 of a kind.

Jackson & Perkins Co., Newark and New York.

Roses—The new Rose Wellesley in 2¼-in. pots, at \$25 per 100. Several thousand Bride and Bridesmaid roses in 2¼-in. pots, \$10 per 100; 1,000 rate on application.

Waban Rose Conservatories, Natick, Mass.

Roses—We grow over 100,000 annually. All the best varieties, at current prices. Send us your order.

Geo. A. Kuhl, Pekin, Ill.

Roses—Grass an Teplitz, Maman Cochet, 2-year-old, \$2 per doz., \$15 per 100; Hermosa, 2-year-old, \$2.25 per doz., \$16 per 100; Clothilde Soupert and A. Beauty, \$1.50 per doz., \$10 per 100; Kaiserin Aug. Victoria and Paul Neyron, \$2.50 per doz., \$20 per 100; La France, \$2 per doz., \$15 per 100; Crimson Rambler, 2-year-old, No. 1, \$2 per doz., \$15 per 100; No. 2, \$1.50 per doz., \$10 per 100; D. Perkins, 2-year-old, \$2.50 per doz., \$20 per 100; and many other varieties.

Vaughan's Seed Store, Chicago and New York.

Roses—We have surplus following varieties: write for prices; 2-year-old own roots: Wm. C. Egan, climbing Clothilde Soupert; and Wichuraiana hybrids Robert Craig, Edwin Lonsdale, Wm. F. Dreer.

Hoopes Bros. & Thomas, W. Chester, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses—Roses from 2½-in. pot, clean, healthy stock. Bridesmaid, Bride, Golden Gate and Perle at \$3 per 100; Sunrise, \$4 per 100.

Wm. L. Rock Flower Co., Kansas City.

Roses—Sunrise, Notting, Anna de Diesbach, Boule de Niede, Gloire Lyonaise, Magna Charta, Mme. Masson, Planter, Chas. Wood, 2½-in., \$3; 4-in., \$8 per 100. Strongly rooted.

The Leedle Floral Co., Springfield, O.

Roses—American Beauty, La France and Bride. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Roses—Rose plants. Write for prices on hybrid perpetuals, hybrid teas, teas, climbers, ramblers, etc.

C. M. Niuffer, Springfield, O.

Roses—Roses, rooted cuttings: Chateaufay, \$2.50 per 100, \$20 per 1,000; Uncle John, \$2.50 per 100, \$20 per 1,000; Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000; Perle, \$1.50 per 100, \$12.50 per 1,000; Roses, 2½-in. pot plants: Richmond, \$30 per 100, \$250 per 1,000; Rosalind Orr English, \$25 per 100, \$200 per 1,000; Chateaufay, \$4 per 100, \$30 per 1,000; Sunrise, \$4 per 100, \$30 per 1,000; Perle von Godesberg, \$5 per 100, \$40 per 1,000; Liberty, \$5 per 100, \$45 per 1,000; La Detroit, \$6 per 100, \$50 per 1,000; Uncle John, \$4 per 100, \$35 per 1,000; Kaiserin, \$4 per 100, \$30 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; Perle, \$3 per 100, \$25 per 1,000; A. Beauty, \$6 per 100, \$50 per 1,000; American Beauty bench plants, \$6 per 100, \$50 per 1,000.

Peter Reinberg, 51 Wabash Ave., Chicago.

Rose—Baby Rambler, ever blooming, dwarf crimson, 3-in. pot plants (grafted); ready April 15; \$4.50 per doz.; \$35 per 100. 2½-in. pot plants, April delivery, per doz., \$3; per 100, \$20.

Vaughan's Seed Store, Chicago and New York.

Roses—Young stock of roses ready to ship; from 2-in. pots: Bride, \$3 per 100, \$25 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Meteor, \$4 per 100, \$30 per 1,000; Golden Gate, \$3 per 100, \$25 per 1,000; Chateaufay, \$3 per 100, \$25 per 1,000; Kaiserin, \$4 per 100, \$35 per 1,000. Wieter Brothers, 51 Wabash Ave., Chicago.

Roses—4,000 Crimson Ramblers, \$1 to \$25 each; 3,000 rose plants, \$6, \$9, \$12 per doz., for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Roses—Rooted cuttings Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Golden Gate, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000.

George Reinberg,

51 Wabash Ave., Chicago.

Roses—60,000 grafted roses for forcing. Delivery April, May, June. Liberty, rose pots, \$2 per 100; 3½-in. pots, \$18 per 100; Brides, Bridesmaids, Golden Gate, Kaiserin, rose pots, \$10 per 100; 3½-in. pots, \$15 per 100.

J. L. Dillon, Bloomsburg, Pa.

Roses—Spring sales, Crimson Rambler, 2-year-old, \$2 per doz., \$15 per 100; 3-year-old, \$2.50 per doz., \$18 per 100; Dorothy Perkins, 2-year-old, \$2.50 per doz., \$20 per 100; Gruss an Teplitz, 2-year-old, \$2 per doz., \$15 per 100; Maman Cochet, 2-year-old, \$2 per doz., \$16 per 100; Hermosa, 2-year-old, \$2.25 per doz., \$15 per 100; Clothilde Soupert, \$1.50 per doz., \$10 per 100; A. Beauty, \$2 per doz., \$15 per 100; K. Aug. Victoria, \$2.50 per doz., \$20 per 100; P. Neyron, \$2.50 per doz., \$20 per 100; La France, \$2 per doz., \$15 per 100; and many other varieties.

Vaughan's Seed Store, Chicago and New York.

Roses—Roses, 2½-in. pots, strong plants. Maid, Bride, White and Pink Cochet, \$2.50 per 100, \$20 per 1,000. American Beauties, 2½-in. pots, \$5 per 100, \$40 per 1,000; 3-in. pot plants, \$6 per 100, \$50 per 1,000.

C. W. Reimers, Station A, Louisville, Ky.

Roses—Easter stock. Baby Rambler rose, Mme. Norbert Levavasseur, 1-year-old, field-grown, for 4-in. pots, \$5 per doz., \$35 per 100.

Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Roses—Roses, Ramblers and hybrids. W. & T. Smith Co., Geneva, N. Y.

Roses—Hardy roses.

Eilwanger & Barry, Rochester, N. Y.

Roses—Now is the time to place your orders and insure getting good stock for planting.

John N. May, Summit, N. J.

Rose—Rose Clothilde Soupert in bud or bloom, 4-in., \$12 per 100. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Roses—The fine new pink rose, La Detroit, 2½-in. pots, \$8 per 100, \$75 per 1,000. General MacArthur, 2½-in. pots, \$8 per 100, \$75 per 1,000.

John Breitmeyer's Sons, Detroit, Mich.

Rudbeckia—Golden Glow, 4-in. pots, 75c per doz., \$6 per 100.

Henry A. Dreer, Philadelphia.

Salvia—Salvia splendens, \$1 per 100. Hill Top Greenhouses, Utica, N. Y.

Salvia—Salvia, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides possessing more than all the good qualities of other good salvias it can be had in bloom for Thanksgiving and Christmas. Write for descriptive catalogue. 2-in. pots, \$1 per doz., \$6 per 100; 4-in. pots, \$2 per doz., \$12.50 per 100. Iowa Seed Co., Des Moines, Ia.

Salvias—Salvia splendens and Jean Revenal, rooted cuttings, 75c per 100, \$6 per 1,000.

Frank A. Pierson, Cromwell, Conn.

Salvias—Rooted cuttings and plants. Ludvig Mosbaek, Onarga, Ill.

Salvias—Six varieties, \$1 per 100; \$8 per 1,000.

S. D. Brant, Clay Center, Kan.

Salvias—Bonfire and St. Louis, \$1 per 100, \$8 per 1,000.

C. Humfeld, Clay Center, Kan.

Salvias—Salvia, two best, Lord Fauntelroy (dwarf), Bonfire (tall), \$1 per 100, \$8 per 1,000.

The W. T. Buckley Co., Springfield, Ill.

Saxifraga—200 Saxifraga sarmentosa, superba, magnifica; \$50 for the entire stock. Final auction April 12.

Albert Fuchs, 2059 N. Halsted St., Chicago.

Smilax—Smilax plants, strong, 2½-in., \$1.50 per 100.

C. C. Pollworth Co., Milwaukee, Wis.

Smilax—Smilax from 2-in. pots, \$1.50 per 100; \$12.50 per 1,000.

Good & Reese, Springfield, O.

Snapdragon—Three fine snapdragons, our giant pink, a grand white, and a fine yellow, \$6 per 100, \$50 per 1,000.

John Breitmeyer's Sons, Detroit, Mich.

Spiraea—Spiraea compacta floribunda,

Japonica and Gladstone.

Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Spring Stock—You will need some of the following for your retail trade. We guarantee quality; send your order now; we ship when you say the word: Hydrangea paniculata grandiflora, 3 to 4 feet, heavy branched, \$1.25 per doz., \$10 per 100; Crimson Rambler roses, extra strong stock, \$1.75 per doz., \$13 per 100; H. P. roses, 2-year-old, named varieties, \$1.50 per doz., \$11 per 100; Clematis Jackman and sorts, large 3-year-old stock, \$3.75 per doz., \$30 per 100; Ampelopsis Veitchi, extra heavy, Holland grown, \$1.65 per doz., \$12 per 100; tree roses in assortment, strong 2-year-old, \$4.50 per doz., \$35 per 100; Aristolochia, Dutchman's Pipe, extra strong, \$3.75 per doz., \$30 per 100. Bulbs: Dahlia roots, in colors, \$1 per doz., \$7 per 100. Caladium esculentum, 5 to 7 in. in circumference, 40c per doz., \$2.50 per 100; 7 to 9 in., 60c per doz., \$4 per 100; 9 to 12 in., 95c per doz., \$7 per 100; 12 in. and up, \$1.75 per doz., \$13 per 100. Cannas, good named varieties, assorted, 50c per doz., \$3 per 100. Gladiolus, finest mixed, 15c per doz., \$1 per 100. And a complete assortment of all shrubs, vines, bulbs, etc. Write for prices on any stock in this line you might want. We can and will make it worth your while.

E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Stocks—Double white, for Easter, \$1 per 100, \$8 per 1,000.

Hill Top Greenhouses, Utica, N. Y.

Swainsona—Swainsona alba, rooted cuttings, 75c per 100.

Byer Bros., Chambersburg, Pa.

Tradescantia—Tradescantia, rooted cuttings, 2 kinds, 75c per 100.

Byer Bros., Chambersburg, Pa.

Umbrella Plants—Umbrella plants, 2-in., fine, 2c.

Byer Bros., Chambersburg, Pa.

Vegetable Plants—Vegetable plants. Price list mailed free.

Ludvig Mosbaek, Onarga, Ill.

Verbena—Verbena, 2-in. pots, \$2 per 100. Geo. M. Emmans, Newton, N. J.

Verbenas—Mammoth verbenas, 60c per 100, \$5 per 1,000.

Hill Top Greenhouses, Utica, N. Y.

Verbenas—500,000 verbenas, 60 varieties, perfectly healthy. Prize rooted cuttings, 60c per 100, \$5 per 1,000; plants, 2½-in. pots, \$2.50 per 100, \$20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas—Rooted cuttings, 30 varieties, 60c per 100.

S. D. Brant, Clay Center, Kan.

Verbenas—Rooted cuttings, 60c per 100. Byer Bros., Chambersburg, Pa.

Vinca—Vinca variegata, 3-in. pots, \$5 per 100.

Frank A. Pierson, Cromwell, Conn.

Vinca Variegata—Vinca variegata, 4-in. pots, \$1.50 per doz., \$10 per 100, \$90 per 1,000.

The Goshen Floral Co., Goshen, Ind.

Vinca—Vinca vine, variegated, \$2.50 per 100.

Jas. H. Cunningham, Delaware, O.

Violet—Violet Princess of Wales, \$2.50 per 100. Rooted cuttings, \$1.25 per 100.

Nathan Smith & Son, Adrian, Mich.

Violets—Rooted cuttings.

Eli Cross, Grand Rapids, Mich.

Zamia—Zamia integrifolia, \$12 per 1,000. Soar Bros., Little River, Fla.

NURSERY STOCK.

Coreopsis—Coreopsis grandiflora, blooms large as Cosmos, most beautiful yellow, 1-yr. old, \$2 per 100; \$15 per 1,000. Order now.

Martin Kohankie, Painesville, O.

Grounds—"Beautiful Grounds," an illustrated manual containing suggestions on lawn making, planting and care of shrubs and trees. Landscape plans, topographical surveys, etc.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Lilacs—Lilacs a specialty. Jacs. Smits, Ltd., Naarden, Holland.

Magnolia—Magnolia grandiflora, per 100: 5-6-in., \$5; 8-10-in., \$8; 15-18-in., \$15; 20-24-in., \$20. Strong, pot-grown plants. Joe Browne, Nashville, Tenn.

Nursery Stock—Rhododendrons, azaleas, magnolias, lilacs (pot grown), hardy evergreens, etc. Catalogue 1905-06 free on application.

C. Frets & Sons, Boskoop, Holland.

Nursery Stock—Trees, shrubs, vines, small fruits and evergreens. Imported low-bedded 2-yr. H. P., climbing, Ramblers, Standard and Tea roses, clematis, Ampelopsis Veitchi and Quinquifolia, wistarias, honeysuckles, snowballs, hydrangeas, boxwood, azaleas, rhododendrons, magnolias, bleeding hearts and peonies in great variety. Write for wholesale price list.

Frank Kadlec, 181 Johnston Ave., Logan Square Sta., Chicago.

Nursery Stock—Ornamental trees, shrubs and herbaceous perennials, etc. Bay State Nurseries, N. Abington, Mass.

Nursery Stock—Philadelphia Rambler, field plants, 2 to 3 ft., \$2 per doz., \$15 per 100; 3 to 4 ft., \$3 per doz., \$20 per 100.

Conard & Jones Co.,

West Grove, Pa.

Nursery Stock—Trees, shrubs, vines, small fruits.

The Wm. H. Moon Co., Morrisville, Pa.

Nursery Stock—Wholesale growers of nursery stock. Catalogue free.

W. Van Kleef & Sons, Boskoop, Holland.

Paeonias—Paeonias. Festiva maxima, \$35 per 100; Queen Victoria, \$9 per 100; Fragrans, \$6 per 100.

Gilbert H. Wild, Sarcoxie, Mo.

Nursery Stock—Headquarters for hardy perennials; 12 acres conifers; 3 acres rhododendrons; 2 acres hydrangeas. Tottenham Nurseries (Ltd.), Dedemsvaart, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

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Ribbon Grass—Silver ribbon grass, field-grown roots, 15c each by mail, postpaid. \$1.25 per doz., \$8 per 100 by express, not prepaid. James Vick's Sons, Rochester, N. Y.

Shrubs—Hardy shrubs, Ramblers, etc. Vaughan's Seed Store, Chicago and New York.

Shrubs—Shrubs, hardy plants, climbers, etc. Ellwanger & Barry, Rochester.

Shrubs—Ornamental trees and shrubs. W. & T. Smith Co., Geneva, N. Y.

Strawberry Plants—Strawberry plants \$2 per 1,000.

H. H. Kern, Bonner Springs, Kan.

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Seeds, Bulbs, Spawn, Etc.

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J. K. Allen, 106 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., N. Y.

Jos. S. Fenrich, 48 W. 30th St., N. Y.

A. L. Randall Co., 19 Randolph St., Chicago.

James Hart, 117 W. 30th St., N. Y.

John Young, 51 W. 28th St., New York.

Chas. W. McKellar, 51 Wabash Ave., Chicago.

Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg.

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 Traendly & Schenck, 44 W. 28th St., New York.
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 Edward C. Horan, 55 W. 28th St., N. Y.
 Alfred H. Langjahr, 55 W. 28th St., N. Y.
 Alex. J. Guttman, 52 W. 29th St., N. Y.
 Philadelphia Cut Flower Co., 1516-18 Sansom St., Philadelphia, Pa.
 J. B. Murdoch & Co., 545 Liberty Ave., Pittsburg, Pa.
 Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.
 John I. Raynor, 49 W. 28th St., N. Y.
 William Murphy, 128 E. 3d St., Cincinnati, O.
 John Seligman, 56 W. 26th St., N. Y.

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J. A. Budlong, 37-39 Randolph St., Chicago.
 The Benthley-Coatsworth Co., 35 Randolph St., Chicago.
 Flower Growers' Market, 60 Wabash Ave., Chicago.
 Sinner Bros., 58 Wabash Ave., Chicago.
 Geo. Reinberg, 51 Wabash Ave., Chicago.
 Poehlmann Bros. Co., 35-37 Randolph St., Chicago.
 D. Wood Brant, 58-60 Wabash Ave., Chicago.
 Bassett & Washburn, 76-78 Wabash Ave., Chicago.
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 Weiland & Risch, 59 Wabash Ave., Chicago.
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 J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.
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 Peter Reinberg, 51 Wabash Ave., Chicago.
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 Mark Aitken, 378 Main St., Springfield, Mass.
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 A. Gude & Bro., 1214 F St., Washington, D. C.
 Mills, the Florist, 36 W. Forsyth St., Jacksonville, Florida.
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 The Park Floral Co., J. A. Valentine, president, Denver, Col.
 C. C. Pollworth Co., Milwaukee, Wis.
 John Breitmeyer's Sons, Cor. Miami and Gratiot Aves., Detroit, Mich.
 P. J. Hauswirth, Auditorium Annex, Chicago.
 Hess & Swoboda, 1415 Farnam St., Omaha, Neb.
 John Mangel, Cor. Wabash Ave. and Monroe St., Chicago.
 Joseph R. Freeman, 612 13th St. N. W., Washington, D. C.
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Greens—Southern wild smilax, new crop. Caldwell, The Woodsman Co., Evergreen, Ala.
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Greens—Hardy decorative supplies; high grade southern wild smilax. E. A. Beaven, Evergreen, Ala.
Greens—Galax leaves and all decorative greens. Reed & Keller, 122 W. 25th St., N. Y.
Greens—Dagger and fancy ferns; bronze and green galax, laurel festooning, green and sphagnum moss, ivy leaves, Sprenger, asparagus, leucothoe sprays. Henry M. Robinson Co., 8-11 Province St., Boston.

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Building Material—Gulf cypress greenhouse material. Hot bed sash. We furnish everything for building.
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Glass—Importers and jobbers; greenhouse glass a specialty. Window glass.
The James H. Rice Co., 80-82 Wabash Ave., 34-40 So. Water St., Chicago.

Building Material—Our designs embody best features greenhouse construction; best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash.
Lockland Lumber Co., Lockland, O.

Building Material—Material from World's Fair, hothouse sash, pipe, 100,000,000 feet of lumber, sash and doors.
Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago, or World's Fair Grounds, St. Louis.

Glass—Window glass. Greenhouse glass a specialty.
H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass—French and American "White Rose" brand.
Stenzel Glass Co., 2 Hudson St., New York; 101 Portland St., Boston.

Glass—Roofing glass, etc.
Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Glass—Glass at wholesale.
S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, N. Y.

Glass—Good brands, quick shipments, large stock; warehouse on railroad switch. Be sure and get our prices.
Sharp, Partridge & Co., 22d St. and Union Place, Chicago.

Glass—Tank window glass. Hothouse glass a specialty.
D. C. Cunningham Glass Co., Pittsburgh, Pa.

Glass—Plate and window glass. Greenhouse glass a specialty.
Sprague-Smith Co., 205 Randolph St., Chicago.

Glass—Greenhouse glass.
Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Glazing Points—See the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid.

Henry A. Dreer, 714 Chestnut St., Philadelphia.

Greenhouses—Two greenhouses, 6 yrs. old, complete; benches, ventilators, pipes, etc., like new. All Moninger; one 25x160, one 15x200, for \$500 f. o. b. Chicago; 50c per foot extra if packed on car. Auction April 12.
Albert Fuchs, 2059 N. Halsted St., Chicago.

Greenhouse Construction—Eureka greenhouses the best and lowest in price. All houses erected at factory and shipped to purchasers with blue prints, photographs and plain directions so any person can put up.

Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Gutters—New duplex gutter, only drip proof gutter on the market.
E. Hippard, Youngstown, O.

Gutters—Garland's gutters will keep snow and ice on your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' market. Send for catalogue.
Geo. M. Garland, Des Plaines, Ill.

Gutters—Jennings improved iron gutter.
Diller, Caskey & Co.,
Sixth and Berk Sts., Philadelphia.

Iron Fittings—Patent iron bench fittings and roof supports.
Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Iron Fittings, Etc.—Send for prices.
Lockland Lumber Co., Lockland, O.

Paint, Putty, Etc.—The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

Paint, Putty, Etc.—H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, Etc.—Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Pipes, Iron Fittings, Etc.—Galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized turn buckles and wire. Fittings for purline and ridge supports.

Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipes and Iron Fittings—S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, New York.

Pots—100,000 flower pots at half price at greenhouses; 15 per cent extra if packed; from 2 in. to 6 in. Will exchange for cut flowers or blooming plants. Auction April 12.
Albert Fuchs, 2059 N. Halsted St., Chicago.

Steam Traps—Steam traps save coal. Return steam trap, used by up-to-date greenhouse men, returns condensed water from the heating coils in greenhouse. Have been in use over 30 years. Insures an even temperature.

Albany Steam Trap Co., Albany, N. Y.

Steam Traps—The Standard return steam trap has no equal for its simplicity of working.

E. Hippard, Youngstown, Ohio.

Steam Traps—Morehead traps insure free circulation in coils. Save fuel.
American Blower Co., Detroit, Mich.

Ventilating Apparatus—Send for prices and catalogues.
S. Jacobs & Sons, 1365-1373 Flushing Ave., Brooklyn, N. Y.

Ventilators—We furnish high grade ventilating apparatus, raising the sashes in greenhouses and other buildings.

Lord & Burnham Co., 1133 Broadway, N. Y. General office and works, Irvington-on-Hudson, N. Y.

Ventilators—The New Departure ventilating appliance, cheapest and best. If you doubt, try it and be convinced.
J. D. Carmody, Evansville, Ind.

Ventilating Apparatus—Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Ventilating Apparatus—Send for circulars.

Diller, Caskey & Co., Cor. 6th and Berk Sts., Philadelphia.

Ventilators—Evans' improved Challenge ventilating apparatus.
Quaker City Machine Works, Richmond, Ind.

Ventilators—The Standard ventilating machinery; original machine with self-oiling cups; most powerful, least complicated, very compact.

E. Hippard, Youngstown, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Ventilators—Foley ventilating apparatus. Foley Mfg. Co., 471 W. 22d St., Chicago.

Ventilators—Hand ventilators, etc. The King Construction Co., N. Tona-wanda, N. Y.
Atlanta Floral Company, 41 Peachtree St., Atlanta, Ga.

Wire Work—Best work, lowest prices. Located in Flower Growers' Market. Howe & Taylor Mfg. Co., 60 Wabash Ave., Chicago.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HANDY MANUAL (J. W. Johnson).—A new work, fully illustrated with plans, etc., on greenhouse heating and ventilating, by a practical steam and hot water heating engineer of long experience. Replete with valuable information. 125 pages. \$1.00.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. \$1.50.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the largest glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, \$1.00.

THE ROSE—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans, it will be found a most valuable guide. \$4.00.

STEAM HEATING FOR BUILDINGS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

GINSENG (Kains).—At the present time when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

American Florist Co.,
324 Dearborn Street. CHICAGO.

Clipper Lawn Mower Co. DIXON, ILL.



The Mower
that will Kill all the Weeds in Your Lawn. If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-in. Mower, \$5; No. 2—15-in. Mower, \$6; No. 3—18-in. Mower, \$7; No. 4—21-in. Mower, \$8. Send draft, money-order or reg. letter. Please mention the American Florist when writing.

Le Moniteur d'Horticulture

For Horticulturists and Orchid Growers.

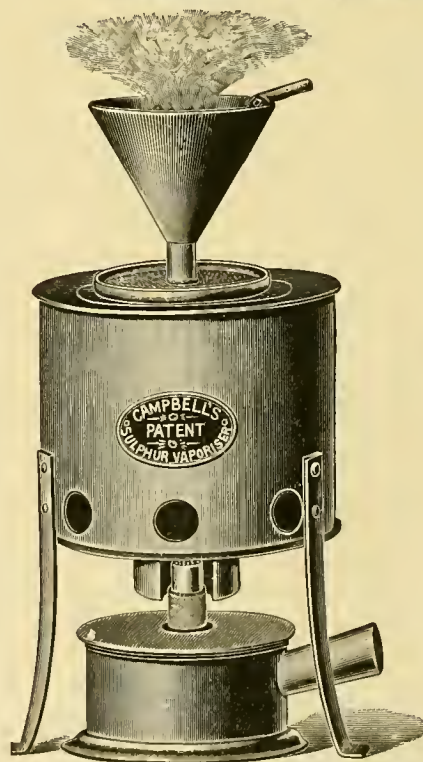
EDITED AT PARIS BY

Lucien Chauré and Otto Ballif.

The representative Gardening Paper of French Florists, Seedsmen and Nurserymen. Sample copies free. The largest circulation in France, Belgium, Italy and Switzerland. Twice every month. Subscription per year: With the colored plates, \$2.30; without the colored plates, \$1.20.

14 Rue de Sevres 14, PARIS, France.

GREAT BRITISH SUCCESS CAMPBELL'S PATENT SULPHUR VAPORISER.



An apparatus which safely vaporises sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, Strawberries, Etc. Also kills that dreaded pest Red Spider.

Hundreds of Unsolicited Testimonials.

Royal Irish Nurseries, Newtownards, Co. Down, May 13, 1903.

Please send us another of your Patent Sulphur Vaporisers, and much oblige. We are very pleased with results obtained from that sent.

ALEX. DICKSON & SONS, LTD.

The Nurseries, Exmouth, Devon, October 17, 1903.

I have given your Patent Sulphur Vaporisers a thorough trial, and am more than pleased with the result. Generally, before housing my Show Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands of plants have to be so treated. With your Sulphur Vaporiser this is obviated, for after thoroughly vaporising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, and after the treatment mentioned I have been interested to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost.

W. J. GODFREY,

Chrysanthemum Specialist.

The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. A correspondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass houses in which Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plants are grown. The principle consists in heating the sulphur in a vessel having a funnel-shaped outlet, the tube of which is loosely closed by a pyriform hollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside thus allowing of the passage of the sulphur vapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the heated sulphur.

Prices and further particulars from Importers:

VAUGHAN'S SEED STORE, 14 Barclay St., New York.

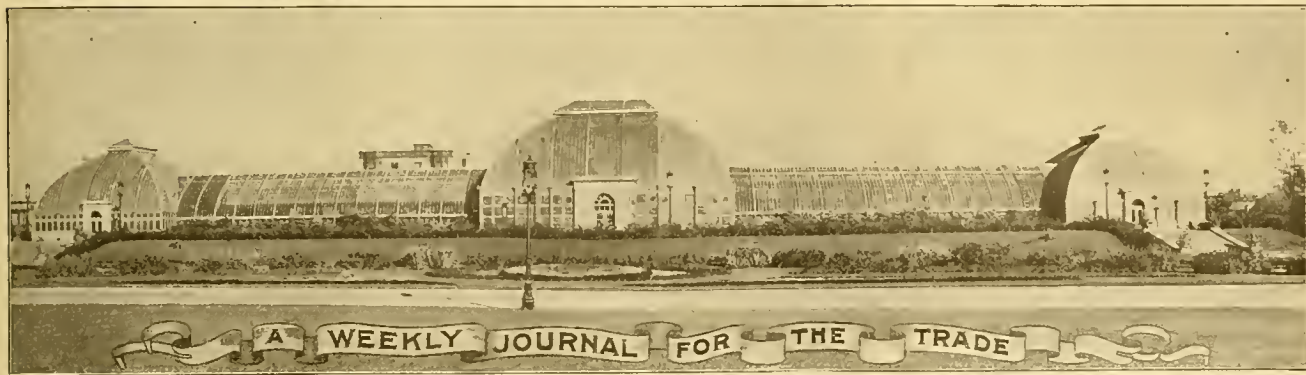
A. T. BODDINGTON, 342 West 14th St., New York.

BLACKIE BROS., 44 Allen St., Halifax, Nova Scotia, Can.

The American Patent Rights of this apparatus are on sale. For particulars apply

EXORS. R. CAMPBELL, Water St., Manchester, England.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. C. VAUGHAN, Chicago, president;
J. R. FREEMAN, Washington, D. C., vice-president;
Wm. J. STEWART, 11 Hamilton Place, Room
11, Boston, Mass., secretary; H. B. BEATTY, Oil
City, Pa., treasurer. Twenty-first annual meeting
at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT
M. HERR, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass.,
March, 1906. Wm. J. STEWART, 11 Hamilton Place,
Boston, Mass., secretary.

AMERICAN PEONY SOCIETY.

Exhibition at Chicago about June 15. ARTHUR
H. FEWKES, Newton Highlands, Mass., secretary.
J. B. DEANUD, 51 Wabash Avenue, Chicago,
exhibition manager.

Society of American Florists.

THE TRADE EXHIBITS.

The following editorial note appeared in our issue of March 11 and subjoined comments from prominent trade firms and exhibitors have been received with regard to it:

The elaborate and expensive trade displays made by various concerns at the annual conventions of the Society of American Florists are worthy of more substantial reward than mere mention in the society's reports.

To summarize the matter briefly, I would state that with the extensive exhibits which we have annually made at the exhibitions of the Society of American Florists, we fully realize and appreciate the expense connected with same, especially so when the place of meeting is at distant points, making it necessary to ship the more tender stock by express, to which must be added the cost of floor space, which in a large display is not a small item. However, I would, by no means, endorse a policy which would offer a cash premium for a trade display. The object of such a display is to show samples of actual stock that the individual grower has to offer, and, while in some instances the plants may not be of such quality as to compete for premiums if the grower is honest in his intentions, the samples are representative stock of what he has to offer and the price at which he sells may be an inducement to the buyer, and yet disbar him from the possibility of competing for a premium. What the society wants to do, in justice to the trade exhibitors, is to remove the restrictions of keeping the exhibition hall open but a few hours each day. As noted above, these exhibits are made at the sacrifice of plants, money and time, and since the exhibit hours have been restricted to a limited time these displays have not been worth the expense to the one making the display. I personally believe that if this proposition was left open to be decided by the same gentlemen through whose efforts this clause was inserted in the rules of the society, they would decide to return to the old method of permitting the exhibition hall to remain open throughout the entire period of the convention.

It has been said that the exhibition hall detracts from the regular daily meetings. I cannot agree with this. Look up the daily attendance during the early history of the society and you

will find that there was a much better attendance than now. You cannot blame any florist when he goes to the convention hall and finds a dry essay being read on a subject in which he is not interested, to drop out and spend his time in the exhibition hall where he has an opportunity to inspect and learn and educate himself on subjects which actually are interesting and which mean also dollars and cents for him. Restricting the exhibition does not fill your meetings. The man I speak of who makes up his mind to go to the convention hall, and if not interested drop out, simply looks up other amusements and does not come either near the meetings or the exhibits.

This is a matter that is worthy of considerable attention by the directors of the society, in which they will want to consider that the exhibitors' side, which has become such a great feature in connection with the annual conventions, deserves consideration.

J. D. EISELE.

The question is somewhat far-reaching. The trade exhibition has become such an important factor and is an element of such strength in the national meeting on account of its varied character and large assortment of goods set before the trade, that it would seem as if something more substantial than mere mention in the trade papers, and in the records of the meeting of "so and so's exhibit," was right and proper. On the other hand, it seems that the local society that invites the national meeting uses the large exhibitors for its pecuniary benefit to a certain extent. If a percentage of the money paid in by the different exhibitors for space allotted them could be used as gratuities, or for the purchase of valuable medals, it would seem nothing more than right. However, this is a question that requires and should receive the careful consideration of the executive committee of the society. The writer has not given the subject sufficient thought and has only noted his impressions.

E. G. HILL.

We quite agree with you in regard to trade displays at the convention; we feel and know that the exhibitors go to a great deal of trouble and expense to make the conventions a success and certainly think that they are entitled to more than a mere mention in the trade papers. It is well known that the

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trade exhibits bring a great many people to the convention who would otherwise not attend, and to merely give note in the journals, is not treating the exhibitor fair. We feel that there should be some substantial reward given by competent judges on the

wards, but we do not think the nature of the reward itself is as much to be desired as the mere fact that the display made may obtain the certificate, or diploma, or first prize, or reward, or whatever may be given by the society. This, we think, is far more to be desired

precipitate manner with which our exhibits have been received. Our exhibits at Society of American Florists' conventions have brought us business ample to more than pay us for our trouble in exhibiting.

FOLEY MANUFACTURING COMPANY.

I believe that if the society would offer more suitable rewards to the exhibitors, it would spur them on more and they would feel more satisfied with the prizes distributed than with only an honorable mention, etc., as used heretofore.

A. HERRMANN.

We are entirely of your opinion regarding more substantial awards for exhibitors at the convention exhibitions.

H. BAYERSDORFER & COMPANY.

The very reason I quit displaying my goods at conventions.

E. HIPPARD.

Lewis and Clark Exposition.

BURBANK TO EXHIBIT.

Weeds are weeds because they are jostled, crowded, cropped, trampled on, scorched by fierce heat, starved, or perhaps suffering with cold, wet feet, tormented by insect pests, or lack of nourishing food or sunshine. There is not a weed alive which will not, sooner or later, respond liberally to good cultivation and persistent selection. A day will come when the earth will be transformed, when man shall offer his brother man not bullets nor bayonets, but richer grains, better fruits, fairer flowers.

LUTHER BURBANK'S PHILOSOPHY.

If one had chanced to be walking along a country road in Massachusetts some forty years ago, he might have seen a small, slight lad searching for something in a potato patch. If he had stopped to watch, he would have seen the boy throw himself down on the ground and weep bitterly because he could not find that for which he searched. And the traveler would probably have been greatly surprised, if he had asked, to find that what the boy was searching for was not a stray penny, or a long-cherished Barlow knife, but the pod from one of the potato vines.

After several days' search Luther



ONE OF BURBANK'S PHENOMENAL BERRIES.
(Much reduced.)

merits of the goods, style and effectiveness of the display; a more substantial offer in the way of a prize, would, no doubt, instill keener competition, which no doubt, would be beneficial to the society.

M. RICE & COMPANY.

I am of the opinion that meritorious exhibits of any description are worthy of some substantial reward. Just what such reward should be, I would not be prepared to say, without considerable definite information as to how efforts to reward trade displays in the past have succeeded. If we may believe the papers, the awards made at the St. Louis exposition have proved very unsatisfactory. If certificates of merit, honorable mentions and gratuities could be dispensed under such conditions as would prove satisfactory to exhibitors in the main, I should strongly favor such dispensation, but, on the other hand, if engaging in a scheme of that kind would eventually lead into dissensions and bickerings, I would have my doubts about its expediency.

C. W. WARD.

It is certainly true that many of the trade exhibits at the annual conventions of the Society of American Florists are elaborate and very costly. The reward, however, to our mind, comes in the impression that these exhibits produce on the florists and the business and sales which may result from such exhibits, rather than the possession of certificates of merit, or other evidences of the society's approval. We do not know as to what you have in your mind with reference to more substantial re-

than the intrinsic value of the reward.
THE HERENDEEN MANUFACTURING CO.

"Blessed is he that expecteth not much, for he surely will not be disappointed." The writer would, of course, appreciate very much something substantial in the way of a nice prize but we have been contented with what has been done for us, or rather with the ap-



BURBANK'S THORNLESS CACTUS.
(This cluster weighs about 900 pounds.)



BURBANK'S SHASTA DAISY.

Burbank found the potato pod. It was a pod from the then famous Early Rose potato. Potato pods are not common. Burbank had read that they were very rare on the Early Rose vines. From the one he found, he planted the seeds, and one of the seeds produced a potato which has since been famous as the Burbank potato. The boy sold the potato to a New England seed merchant, and went west, locating at Sebastopol, Cal., about seven miles from Santa Rosa. On his farm there he has grown a cactus that has no thorns and many other strange products which have made his name famous among horticulturists, and, more recently, well-known to many people who could not tell barley from wheat except by the taste. And the best part of it all is, that everything this marvelous man produces must be of practical value before he considers it worthy of being given to the world. Thousands of plants are yearly destroyed because his labors to improve them have proved vain.

Luther Burbank has been conducting his plant-breeding farm in California now for thirty years. His fame has spread until every marketable product he produces is now eagerly sought for by gardeners and horticulturists. Yet the cost of conducting his farm is every year more than the revenue, and the inventor may die poor. Andrew Carnegie has recently come to his assistance by providing \$10,000 a year for ten years to enable him to carry on his experiments on a larger scale.

Burbank is described as a man of quiet, unassuming ways, who is anxious to live his own life and do his own work without the interference of the curious. He lives simply, in a vine-covered cottage, and is regarded by his ignorant neighbors as a harmless idiot. While still in the prime of life, he is thin almost to emaciation, and his white hair gives him an appearance almost of venerability. He has no laboratory, no workshop, no scientific instruments, no assistants. All there is at Sebastopol is the earth and the man, but the earth and the man have produced marvels that are attracting people from far and near. In order to discourage the merely curious, who formerly took up

a great deal of his time, Mr. Burbank now charges interviewers \$10 an hour.

Luther Burbank will, for the first time, make a complete exhibit of his strange plant products, at the Lewis and Clark Exposition. The exhibit will contain all of the more famous products, and is sure to be found of unusual interest. It will be one of the most noteworthy attractions of the western world's fair, which will have, besides, many other things well worth making the overland trip to see.

W. E. BRINDLEY.

Azaleas and Crimson Ramblers.

The public taste for Easter plants and flowers is becoming more varied each year. Some years ago little was heard of but lilies and other bulbous flowers, with perhaps some spiræas and some few other scattering items; but now all this is changed and in Crimson Ramblers alone an immense business is done. This ought to be a very favorable season having these for Easter in fine condition. Although Crimson Rambler can stand a good deal of forcing, much better foliage and flowers will be obtained when only as little

fire heat as need be is given. The same with azaleas, and more so, with regard to the duration of the time they remain in bloom. Now as to the relative merits commercially of these two it seems to be all on the side of the rose and the advance accounts we hear seem to point to a very large demand for them for the coming festive season.

M.

Easter Lilies.

The date on which Easter falls is a matter of very great importance to growers and more so perhaps to growers of lilies, and the results of the calculations made by these growers will be not only interesting but intensely instructive to those not long in the business. That some will be ahead of the season there is little doubt but there is sufficient time still to retard the development of lily blooms, although if the same bright sunshine experienced in the eastern part of the country is general it may be harder to keep them back than was supposed. For lilies appearing to come in ahead of time a very cool house is necessary, with something in the way of shade, removable at will, in addition. One grower goes as far as to say that he found by putting lilies in a cool house slightly shaded the blooms were much improved in color, but shade when heat was required to force the plants had the opposite effect on the flowers.

By giving the plants all the room possible, and air, their general appearance will improve and this treatment will arrest their progress somewhat.

D. M.

Colorado Society of Floriculturists.

The Colorado Society of Floriculturists held its annual meeting in the rooms of the State Board of Horticulture in the state house in Denver, March 24. There was a large attendance and the enthusiasm displayed showed that the florists of the state are awakening to the value of such meetings. The papers read were: "The Propagation and Culture of Roses under Glass," by J. A. Sked; "Colorado Soils," by Prof. Longyear of the State Experiment Station; "Hardy Roses and their Usefulness for Various Phases of



BURBANK'S HOME AT SANTA ROSA, CAL.

Gardening," by John Berry, and "Dahlias; Past and Present," by W. W. Wilmore, the well known dahlia specialist.

The discussions following these papers were very interesting, especially upon the manner of caring for hardy roses in winter, and the destruction of insects pests. The discussion concerning growing American Beauty roses a second year under glass, brought out the fact that Bernhard Boldt had exceptional success in that line the past season. A vase of this variety exhibited by Mr. Boldt grown from these two-year-old plants were a fine lot.

There was a fine exhibit of carnations and roses. The Colfax Avenue Floral Company, N. A. Benson, Mrs. R. Mauff, E. E. Peterson, Bernhard Boldt, and The Park Floral Company, all of Denver, and J. B. Braidwood of Colorado Springs, were exhibitors. Two plants of *Adiantum cuneatum* and A. O'Brieni attracted universal attention. They were grown by Robert Kurth, foreman for The Colfax Avenue Floral Company and were very handsome specimens. A vase of Adonis carnations staged by E. E. Peterson was good enough to travel in any company.

The newly elected officers are as follows:

J. A. Valentine, Denver, president; Wm. Hy. Evans, Colorado Springs, first vice-president; G. Fleischer, Pueblo, second vice-president; R. S. Mahan, Denver, treasurer; N. A. Benson, 1352 South Sherman avenue, Denver, secretary.

The by-laws were amended making florist employees eligible to membership and changing the date of annual meeting to the second Tuesday in February each year.

HANKINSON, N. D.—W. W. Lilley has transferred his interest in the Hankinson Nursery Company to Charles Hein. The former will remain in Hankinson and start a nursery of his own.

TAMPA, FLA.—Anton Fiehe has resigned his position as head gardener at the Tampa Bay hotel, and with W. E. Dorchester will engage in the general floral and landscape business under the firm name of Tampa Floral Company. A range of glass will be put up right away.

THE CARNATION.

California Carnation Cuttings.

ED. AMERICAN FLORIST:—

You recently requested your readers to give their experience with carnation cuttings from California. At different times I have bought carnations from California concerns and I have had just as good success with them as with cuttings taken from our own stock in Pennsylvania. We rooted 98 per cent of a lot of cuttings received from California some time ago, without bottom heat.

GEORGE A. LINFOOT.

With E. M. Holt & Company, Butler, Pa.

Spring Treatment.

The winter season has now partly passed away and the extra sunshine which comes with approaching spring gives new life and vigor to the plants. This makes it necessary to water more frequently than a few weeks ago, also the airing of the houses should be carefully watched to guard against thrip and red spider which quickly put in their appearance if given the least chance. On all bright days the steam should be taken off early in the morning and the ventilators raised gradually at intervals to prevent the temperature of the house from running up above 60 degrees before ample ventilation can be given. There are times when the inside temperature will rise very quickly and still the outside atmosphere be too cold to permit of raising the ventilators very much without causing a cold draught. At such times as this the steam should be cut off and with a small amount of ventilation the temperature of the house can be governed.

The plants can now be given syringings two or three times a week during bright weather. This should be done early in the day to allow the sun and air to dry the plants thoroughly before night, and when syringing avoid wetting the blooms or the half developed buds, the body of the plants being the part that needs this attention.

There are several little points that

need more than passing mention at this time of the year and one of them is that of cutting the blooms. There is quite a difference between now and a few weeks ago in regard to this part of the work. To have the flowers keep well and to prevent the colors from fading out they should be cut when they are a little beyond three parts developed and placed in water as soon as possible even if this has to be done at the cost of cutting more blooms than the demand calls for. They will keep as well cut as on the plant and the plants are better off for it.

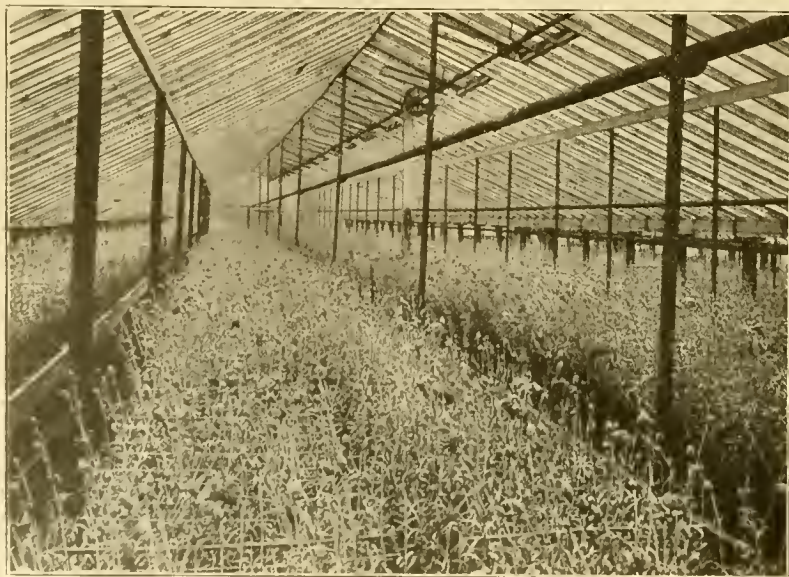
The soil in some of the beds that have been doing business all winter is likely to be run down by this time which can readily be seen by the flowers becoming smaller. To remedy this where it is the intention to carry the plants as long as possible into the summer, a mulch should now be put on consisting of well rotted cow manure and fresh soil. A dusting of bonemeal can be spread over the beds first as a further nourishment and the material used for the mulch should be in a dry state; using anything from the outside that has been laying out all winter and is very wet will prevent the soil of the beds from drying out properly in addition to introducing a crop of ground worms.

Where the beds do not show any signs of being exhausted liquid manure can be continuously applied about once a week to keep the plants and blooms up to their proper standard.

Varieties like Mrs. Lawson and Enchantress will soon begin to show the effects of the bright sun by the color commencing to fade before the blooms are half open; to guard against this a light shading should be put on the glass but only enough to break the strong glare of the sunlight. A dense shade as early in the season as this will do more harm than good by causing the plants to make a soft growth and the inside of some of the blooms to rot.

Any propagating still to be done for this season must now be attended to without delay as the time is very close when it will be found more than difficult to turn out a successful batch of cuttings, not taking into consideration the fact of it being late for many of the varieties to make large enough plants for early blooming next fall; also any cuttings that are rooted in the sand now should be put into soil as soon as they have roots enough, the growth after rooting being very rapid. At this time it takes but a little while before they become spindly and the vitality sapped out of them.

The young plants already in pots must also receive very close attention. Those that were propagated early should now be shifted into larger pots. If potted in January or early in February, into 2-inch pots, they will at this time need to be shifted up into threes, using a fresh soil but no manure; the main idea is to keep up an active growth but not a soft succulent one. A young carnation plant shows the effect of being held too long in a small pot about as quickly as any kind of a plant; the leaves take on a yellow appearance and the stems get woody and the bark begins to crack and when they approach this stage they are getting beyond redemption so far as making a healthy plant is concerned. This young stock does not need a high temperature but should be kept as cool as possible, to



HOUSE OF LAWSON CARNATIONS AT GENY BROTHERS', NASHVILLE, TENN.

allow them to make sturdy growth; a temperature of 40° to 45° at night and all the light and air they can get during the daytime without drying them out too much is the ideal condition for them. Attention should also be paid to keeping them topped back as soon as the growths are long enough to safely handle. Another very important point is to keep the insect pests away from them by fumigating on every favorable occasion.

C. W. JOHNSON.

Carnation Melody.

The accompanying illustration shows the new Daybreak pink carnation, Melody, a sport from Lawson, which will be introduced to the trade in 1906 by the W. C. Hill Floral Company, Streator, Ill., and the J. D. Thompson Carnation Company, Joliet, Ill. It originated at the former's place in 1903 and has shown no tendency to revert to the Lawson type in color. The two varieties can hardly be distinguished, growing side by side, except by the color and the longer stem which Melody shows earlier than Lawson. Blooms have been cut in November, measuring 3¼ inches with stems fifteen to eighteen inches long. It is said to be a good traveler, a good keeper and able to hold its color well.

There are no splits among them at the Streator greenhouses, and the temperature in which the new variety was growing through the severe winter generally being around 50°. Lawson is not running out with the W. C. Hill Floral Company and next season three of them will be grown here, viz., Melody, White Lawson and dark pink Lawson.

T.

About Red Sport.

ED. AMERICAN FLORIST:—

We have had numerous inquiries from parties who have purchased rooted cuttings of Red Sport, of Maceo, and from others interested in the variety, as to the best method of culture for this carnation to insure a full crop for Christmas, which we should be pleased to answer through your valued paper. Fair success may be obtained with this variety from field-grown plants if housed by July 25, but it takes good cultivation in the field to make large plants by housing time, and after the plants are brought in, they take hold very quickly.

Red Sport is the ideal carnation for all house culture, which fact we accidentally discovered. We had a batch of it taken from the sand too late to plant in the field, so they were planted from thumb pots to the bench in June. This batch gave us an average of better than two fine blooms to the plant for Christmas. Plant in a moderately enriched compost, 8 x 10 inches apart, on the bench, and as soon as the plants begin to make a good growth mulch with half an inch of leaf mould or well rotted manure. Keep well stopped back until September 1, by which time the plants will have made fifteen to twenty-five strong leads, a large proportion of which will bloom around the Christmas holidays and during the winter months. We grow it in a night temperature of 52°; the variety requires thirty-six inches of head room.

A. B. DAVIS & SON.



CARNATION MELODY. The Daybreak Lawson.

Hybridizing Carnations.

[Read before the Gardeners' and Florists' Association, Toronto, Ont., March 21, 1905, by George Hollis, of Toronto.]

Your secretary having written to me for a paper on hybridizing, I have done my best to comply. I grow quite a few carnation and chrysanthemum seedlings every year and so far have met with some success and hope to get higher up the ladder before I give up. I should like to see more growers take it up. We in Canada should be able to do something to hold up our end and bring out a variety that would be a credit. Raisers of seedlings must not be disappointed in not getting anything good the first year, the second or even the third, but after that he should have some success. In the first place he must make a start and the plants raised the first year should be the foundation of the seedling stock. The color of the flower does not matter much, provided the plants are strong, with stiff flower stems and an upright growth, the flowers not very full in the petals and the calyx non-bursting.

Select the plants you mean to seed as above. Take the pollen from some healthy, strong growing plants, never weak, puny ones. Nor is anything gained, I think, in getting all the new

ones to work with unless some new variety would give you some advantage in vigor, also size in blossom. But with good judgment in selecting your seedlings, it is better to work with them.

During the dull days of winter it is not so easy to cross the flowers as in the warm, bright weather of early summer, as many varieties have no pollen till warm weather sets in. Having selected the bloom you wish to seed, take out the pollen anthers before they burst. The petals should not be cut off, and two days after, the pollen can be put on the pistil, bringing it to the flower with a pair of small forceps. Do this about noon when the sun is shining, and if successful by next day the bloom will close. If not, repeat. After a few days pull the dead petals out. Some varieties will not seed, but the pollen from them in nearly every case is wonderfully effective.

Label your crosses and keep an account of them. When the seed pods show signs of bursting, gather and put each in separate paper and keep in a tin box in a cool, dry place, till sowing time. The best time, I think, is February. The seedlings can be grown in pots or flats and planted outside in May. Do not stop the seedlings. Let them flower and do not be afraid to

pull the bad flowers and the poor growers out, and after planting inside you will have more to pull out. Out of 500 you may end with twelve or less. Cross them again and sow. Select and house as before and propagate any you think are worth saving. They may be good as seedlings, but when grown from cuttings they may be far from good. Carnations as grown for cut flowers have practically no rest. The cuttings taken cannot, in a sense, be called new plants, as they are only a branch, so to speak, off the old plants and if over propagated or badly treated a good kind may soon be ruined. So seedlings of extreme vigor are what are wanted. If propagated and grown with care, when put on the market they should keep in health and vigor for many years.

The last two years I have lost mostly all my seedlings by being flooded when planted outside, and this year I have to work up a new stock. I am using some singles which I hope will give me some vigorous plants to seed next year. Some will say that to use singles is going backwards but in my opinion it is not so. There are some grand varieties sent out this year, but there is room for something better and I hope this small paper will induce all your carnation men to try for the top.

MARKET GARDENS.

GRAND RAPIDS, MICH.—Grand Rapids has 500,000 feet of glass under lettuce. They produce 1,000 tons annually and this year the crop will be valued at \$180,000. The cost of production is about 8 cents per pound.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 1 were as follows: New York, cucumbers, No. 1, \$1.25 to \$1.75 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, \$3 to \$4 per 100; tomatoes, 10 cents to 35 cents per pound; rhubarb, \$2 to \$3.50 per 100

bunches. Buffalo, cucumbers, \$1 to \$1.50 per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Pittsburgh, cucumbers, \$1 to \$1.50 per dozen. Detroit, cucumbers, \$2 per dozen; lettuce, 13 cents to 14 cents per pound. St. Louis, cucumbers, \$1.50 to \$1.75 per dozen. Chicago, mushrooms, 30 cents to 45 cents per pound. Denver, cucumbers, \$2 per dozen. Cincinnati, cucumbers, \$1.50 to \$2 per dozen. Kansas City, mushrooms, 45 cents per pound.

Easter Stock in Philadelphia.

The plants that the growers have to offer for the Easter trade appear to be of about the same in variety as those of the past few years. There are no novelties, or so few that they have escaped our notice. We might except the Baby Rambler rose, which is to be seen in limited quantities, but the regular Crimson Rambler has it distanced if the few specimens already in of the new one are any criterion.

There is not much doubt about the star of the collection, the lily. There will be plenty of them and good well grown stock, but there are also many disappointments and much loss in some cases. Many of the growers complain that they do not get the varieties they order, and others complain bitterly of the results after good room had been taken up for from two to three months, much of the stock having been thrown out. One lot had produced quantities of buds, six to ten per plant, but they were all blighted and burst as they opened, showing the stems to be black. The roots were also in very bad shape. In others the plants were very short, looked healthy but would not start up. In these and larger or taller stock but one or two buds were set, which did not pay.

Some say the bulbs are at fault while others declare it is the treatment. Seedsmen will direct a complaining customer to a lot grown by a successful neighbor, the bulbs having been in the same shipment as his and delivered the same day. Some houses of lilies will look all right with the exception of one bench,

which, while receiving the same treatment as the others, is practically worthless. So there you are, and now for the rest.

W. K. Harris' establishment is crammed with choice stock, undoubtedly the largest and most varied assortment in the city. There are houses of hydrangeas and houses upon houses of azaleas. Some specimen hydrangeas are enormous, surely, the largest we have ever seen. When in full flower they will be really gorgeous, as they carry at least fifty to sixty heads of bloom and the diameter must be over six feet.

Bougainvilleas, plants from three to ten feet high, are better than ever. Mr. Harris was the first to see merit in this plant for Easter and still grows it in large quantities. A section given up to deutzias was filled with very well budded stock, which will be clouded with white blossoms at Easter, some of the plants being very large. Genistas in all sizes—another Harris specialty—are in good shape. Some 7-foot specimens are not to be seen elsewhere. The azaleas are a great lot. A number of pans made up of smaller stock, three, four, and five plants of one variety together, have a Harris touch and are very attractive. There are also houses of Crimson Ramblers and quite a lot of the Baby Rambler. Of this latter they think it is a comer. Plants that were in flower about Christmas and cut back to the pot for stock have shot up again and are now very bushy with quantities of flowers. A house of *Spiræa Japonica* looked just right. There are rhododendrons, well shaped plants, a house of lilies, some three thousand plants of which but five per cent were thrown out.

Boston ferns are here in quantity, the regular simon pure variety, the Harris broad crimped leaf type, very distinct, and Scottii, which is much favored. A house of *Pandanus Veitchii* and another of *Dracæna terminalis* were very well colored.

A variegated bougainvillea is very showy and appears to be a strong grower. We might add that only three varieties of azaleas are grown for Easter, Bernard Andre alba, Mme. Van der Cruyssen, and Prof. Walters.



CASKET COVER BY THE ART FLORAL COMPANY, SAN FRANCISCO, CAL.

Robert Craig & Son are strong on Ramblers, the plants being simply perfect and apparently exactly right in point of time. Two houses of *Spiræa Gladstonei* will be hard to beat, the plants being exceptionally set with buds.

There are about ten thousand lilies, from single plants to made-up pans, which look very well. Azaleas are also seen in large quantities in the best trade sizes. A large house of genistas is particularly noticeable on account of the shapely appearance of the plants, which will no doubt prove very salable. The same may be said of small and medium sized pyramid specimen bougainvilleas. These are very well budded, the finest of the size we have seen. Hydrangeas are also here in quantity, well budded stock. *Dracæna terminalis*, *Pandanus Veitchii*, crotons, and a large stock of kentias and arecas make up an assortment of decorative plants that are also in demand at this time.

Jacob Becker's lilies are as nice and healthy a lot as it seems possible to grow. There are two houses of these, a house of azaleas, and another of hydrangeas, his three leaders. We must not forget his roses, as a house is filled with fine plants in 6-inch to 8-inch pots of Paul Neyron, Magna Charta, Soupert, La France, Rambler and American Beauty just right for Easter. In addition Mr. Becker has 30,000 coming on for spring sales, all the most popular sorts. He is easily the largest grower of pot roses for market in the city.

George Carpenter has two houses of lilies in good shape and the same of hydrangeas, the latter very perfect plants. He has also a large lot of hyacinths. K.

WITH THE GROWERS

Lishey Nurseries and Greenhouses, Nashville, Tenn.

One of the oldest establishments at Nashville, Tenn., is the Lishey Nursery and Greenhouses located on the street car line on the east side, corner of Lishey and Mile End avenues. Long before there was any car line or a demand for flowers in this city Louis C. Lishey had a flourishing nursery and sold all kinds of ornamental trees, shrubs and incidentally flowers. The nursery was established in 1854, and was one of the pioneers of the business in this locality, and the place has always been prominent as a nursery.

Louis C. Lishey died some years ago when Joe Browne, the present proprietor, became the possessor of the place and still conducts a successful business. He does a general business of cut flowers, selling roses, carnations and other flowers and furnishes floral designs of all kinds. He has never had an up-town store but finds a ready demand and sale for all his products in the sales rooms of the greenhouses. He is one of the few nurserymen and florists of Nashville who gets out a catalogue, gotten up in very creditable style and which is sent largely to the south and over Tennessee and Kentucky. Each year the proprietor grows for the market 50,000 bedding plants which he has no trouble in disposing of.

The place contains ten acres just outside the corporate limits of Nashville



FLORAL DESIGNS AT FUNERAL OF LATE SENATOR BATE.

(Remains lying in state at Nashville, Tenn.)

and is covered with plants and shrubs, every foot of space being utilized to produce the best results. The range of greenhouses consists of about 20,000 square feet of glass in eight houses, the largest of which are devoted to the culture of roses and carnations. Aside from this range of houses there are a vast number of cold frames, in which are grown violets, verbenas, pansies, etc.

At present the proprietor contemplates the erection of only one new house, which he thinks will be sufficient for his purposes at present. This house will be 20 x 100 feet. The place is watered by pumping from a never failing well, into large tanks, which give an abundant supply at all times.

M. C. DORRIS.

Anton Schultheis, College Point, N. Y.

The establishment of Anton Schultheis is particularly interesting to visitors just now. His preparations for the Easter trade have been as usual, on a large scale. There are to be seen five houses of azaleas in tip-top condition, several houses of lilies which will reach the holidays in good shape, four houses of Rambler roses in a variety of forms and splendidly grown, and several houses of bulbous stock in various stages with the Easter stock in guarantee form. There is also a good stock of hydrangeas, including the blue variety, *Hydrangea azurea*, which fill a whole house. The plants are in fine shape for Easter, and run from plants with two or three flower heads to as many as fifteen.

In the mixed houses are to be seen a fine display of bougainvilleas, in sizes running from the smallest to 6-year old or older plants. A leading specialty here is the wallflower which is seen in 6-inch and 7-inch pots exceedingly well flowered and delightfully fragrant. The individual flowers are large and brilliantly colored in various shades of scarlet and crimson. Fine stocks of ericas and genistas are also conspicuous.

New York.

MARKET CONDITIONS STAGNANT.

The market continues dull, and there is considerable difficulty experienced in cleaning up. The influx of stock is increasing and values have no chance to rise. In no particular line of produce can there be said to be strength. Roses are extremely weak, and in most transactions grading is lost sight of, and lot buying seems to be the order of the day. American Beauty is to be seen in quantity at the street corners in the hands of street men who retail specials at prices varying from 15 cents to 25 cents according to quality and freshness. Bride and Bridesmaid roses are passed along at prices which make 5 cents the top on selected specials.

Carnations move perhaps best of all, if there is any best, but the finest varieties do not seem to find buyers at better than 3 cents. Enchantress and Lawson when good are sold all around as low as 2 cents, while common varieties are about bottom at 50 cents.

There is no dearth of bulbous stock. It is hard to get more than \$1 per 100 for tulips, and jonquils are arriving in such immense quantities from the south that the price is borne down below 30 cents per 100, making inside stock hard to dispose of at the higher figures expected for it. Violets are a little less plentiful, and the quality is going off, the balance giving them a little advantage as regards price.

Quite a few gladioli are coming in and move slowly at 5 to 10 cents per spike. Sweet peas are druggy, prices running from 60 cents to \$1 per dozen bunches. Lilies are getting quite plentiful, but do not go off well.

NOTES.

The remaining stock of Sigmund Geller will be sold at receiver's auction sale Friday and Saturday of this week. A new concern has just been incorporated under the New York laws to be known as the Geller Florist's Supply Company, with a capital of \$1,000. F. Richards and S. Richards, of Brooklyn,

and C. Geller, of New York, are named as directors.

Next Monday night, April 10, is named as Easter plant night at the New York Florists' Club. Quite a number of exhibits are expected.

W. H. Siebrecht and Bonnett Brothers, of the New York Cut Flower Exchange have put in a private telephone for their joint use.

Roberts & Grunewald the Columbus avenue florists have dissolved partnership. Mr. Grunewald continues the business.

V. Zuber, of Flushing, is sending in fine Brunner, Baroness, and Hermosa roses to Alfred H. Langjahr.

The Hinode Florist Company is preparing to build two new greenhouses at their Whitestone establishment.

Chicago.

THE MARKET.

The street fakirs as well as the downtown store men who make a specialty of bargain sales have certainly been in their glory during the past few days, immense quantities of medium and lower grades of stock being turned over to them. Dealers, during the early hours of the week were inclined to hold to figures that would at least give the grower somewhat of a show, but supplies continued to pile up to such an extent that the man behind the counter was compelled to bow to the inevitable and allow the buyer to dictate prices. This house cleaning, however, had a tendency to improve conditions somewhat along the line of better grades. With distance shipments of American Beauty coming into some of the houses there has been a plentiful supply of this rose, but as is nearly always the case on this market, they move at a price when other roses go abegging. Large consignments of southern outdoor narcissus, iris, etc., are to be seen and are placed only through forced sale. Eastern shipments of violets have slackened up to a considerable extent and as a result some houses say they could have moved more of them during the past few days. Notwithstanding this shortage, prices did not ascend to any extent.

NOTES.

Sam Pearce has an extensive stock of lilies, about 14,000 in excellent shape for Easter sales. Azaleas are looking well, but some difficulty will be experienced, it is thought, in keeping them back until the right time. The varieties grown are chiefly Empress of India and Van der Cruyssen. Hyacinths have advanced so rapidly that there will be few, if any, on hand for Easter work. Tulips are being held well in hand in large quantities. The varieties most extensively grown consist of La Reine, Yellow Prince and Murillo. Large quantities of bedding plants are coming along nicely to take the place of the Easter stock.

Dealers in nursery stock find a brisk call for ornamental shrubs, vines, etc., a considerable part of this demand being from out of town florists; most florists throughout the country find the handling of this stock a most profitable adjunct to their business especially where growing specimens are kept on hand to show intending buyers.

Local retailers are beginning to circulate amongst the plant growers looking up their Easter supply. A general opin-

ion seems to be that little pot bulbous stock will be on hand for that time.

Several good sized orders for Easter lilies in pots have been placed with local dealers the past week. The majority of these orders coming from buyers in middle eastern states.

J. B. Deamud received his first wireless telegram last week, from Springfield, Ill. The American De Forest Wireless Telegraph Company call it an aerogram.

J. A. Jegen will move from his present stand to the Stewart building, 96 State street, May 1. The new location will be one of the best in the city.

The Benthey-Coatsworth Company is realizing results from the trip made by their Mr. Benthey through the southern buying district recently.

Mangel is showing Baby Rambler roses in full bloom. They make an attractive display and are "takers" with the public.

The E. F. Winterson Company has received a large importation of tree roses, hydrangeas, etc., from Holland.

N. Mosconesotes has purchased the Masonic Temple business of T. D. Mosconesotes, his brother.

Zeck & Mann, the new wholesale firm report trade as opening up quite satisfactorily with them.

Bassett & Washburn are receiving extra long stemmed Lilium longiflorum of excellent quality.

August Wussow of Auburn Park committed suicide in Mt. Greenwood Cemetery, March 30.

George Wienhoeber is now in France and is not expected home much before Easter.

Albert Fuchs is having plans prepared for several extensive flat buildings.

Stollery Brothers in the growers market are handling a nice line of Boston ferns.

The A. L. Randall Company is well pleased with advance orders for Easter.

C. W. McKellar is active with orders for Easter novelties.

Visitors: Ed. W. Dole, Beatrice, Neb.; S. H. Sanstrom, Momenca, Ill.

Philadelphia.

STOCK PILING UP.

The situation the past week was very depressing there being little demand for anything in a floral way and as a result stock piled up and prices ruled low. Southern daffodils are now at about their height, the receipts evidently more than can be handled. W. J. Moore at the market had consignments of over 60,000 blooms Saturday last. Earlier in the week, owing to the unusually warm weather, many consignments arrived in bad condition in fact so soft as to be unsalable. The street men, such as manage to dodge the police, handle much of this stock. The cream of it, however, is good enough for the stores and most of them carry it. Price is anywhere from \$2.50 to \$5 per 1,000.

American Beauty roses have moved fairly well at low prices; \$2.50 is now high for the specials. Teas range from \$6 to \$10. Liberty sells higher, from \$10 to \$20. Kaiserin is coming in, a trifle green as yet, but will improve from now on.

Carnations are not over plentiful, yet sell slowly, the best Enchantress and Lawson going for \$3. Good flowers of

smaller flowered stock sell for \$1 to \$1.50.

There was a strong demand for early Monday morning at the opening of city council. The work was well divided, as some fifteen or twenty wagons were seen at the curb around the city hall at one time.

There were horseshoes galore, large baskets of ferns, plants and flowers, large clusters of American Beauty and other roses. One design of the liberty bell had about 1,000 red roses in it. It is estimated the work cost over \$1,000. The Wm. Graham Company had the decorations for common and Robert Crawford those for the select chambers.

NOTES.

Robert Scott & Son, at Sharon Hill, are erecting a new house of Lord & Burnham material which will dwarf everything else near it. It is 52 x 180 feet, with eaves seven feet above the ground. About four feet of the sides of the house will be of glass so that there will scarcely be any shadow. The ridge pole is twenty-one feet high, supporting rafters thirty-two feet long. In the center of the house at each end will be sliding doors which will admit of a cart being driven in so that filling and removing soil can be done with the least amount of handling. To support the roof there will be seven rows of iron posts. When finished it will be planted entirely with American Beauty roses.

The Floral Exchange Nurseries have won new laurels, taking three first prizes, one in each of their entries at the recent Boston rose show. The roses were Golden Gate, Ivory and Queen of Edgely. They express themselves as much pleased with the output of their place the past season. A recent addition is a mammoth "soup tureen," so called by the men of the place. It holds 3,000 gallons of manure water, which only suffices for watering. There are other improvements on trial, one of which pertains to the heating arrangements, which it is thought will be a great fuel saver.

Atlantic City is looming up as a factor in the flower market. It is a Mecca for the fakirs on Saturday and Sunday and the regular stores appear to be doing more this year than ever before. It is thought that even the largely increased hotel accommodations will not be able to handle the great Easter crowd, as many are now turning away guests.

The warm weather of the past two weeks hatched out the window boxes and there has been a great demand for pansies and button daisies. Such an early display should help the sale of these window gardens later on and no doubt more will be planted this season than ever before.

Wm. K. Harris had two large wagon loads at the opening of the council. The twenty-seventh ward appears to be all right.

K.

Los Angeles, Cal.

Miss Ethelind Lord is going into a very fine store at 828 W. Third street. It will be fitted up for her in an artistic way. Miss Lord has just returned from a trip to San Francisco.

E. H. Rust is doing a very fine trade in large palms and general line of nursery stock.

St. Louis.

FLOWER MARKET.

Not very much can be said of the cut flower market during the past week. The warm spring weather has continued to affect the quality of the flowers. In spite of this a decided shortage of colored carnations has developed. There is quite a bit of bulbous stock in the market, but it is not going very fast.

NURSERY STOCK.

There is a decided shortage of double English daisies in the city this year. This is probably caused by the over supply which has existed in past years. Shrubbery is now in considerable demand especially California privet which still has a strong hold on the public. There is a decided shortage of red stemmed dogwood. H. J. Weber & Sons are reported as being practically sold out of salable shrubs. The laurels, which were used in ornamentation of the World's Fair grounds, have made quite an impression and almost everyone who has the space to use them is figuring on getting a few.

NOTES.

Geo. H. Augermiller, who has for twelve years been in the service of C. A. Kuehn, announces under date of April 1, that he is in business for himself at 1324 Pine street. He will carry a general line of florists' supplies, wire work and cut flowers. George has made many friends during his connection with the trade here and no doubt will do a nice business.

J. E. Fauber, 1102 N. Taylor avenue, is a recent addition to the colony of florists in the new west end. About ten years ago Fred C. Weber started out on Olive and Boyle and there was some question as to whether he would make things go in that territory. Since then five or six others have followed and they all seem to be prospering.

Geo. B. Windler on Delore avenue has a very fine lot of Longiflorums which will come in just right for Easter.

Recent visitors were Wm. Laisle, of Keokuk, Ia., and Joseph Kaiser of Belleville, Ill.

V.

Milwaukee.

Trade while being active has hardly been heavy enough to take up all the stock which the warm weather has forced on and in consequence there has been a decided weakening of prices. Easter lilies in pots will be in sufficient supply for all demands, several growers having large lots, notably Fred. Schmeling, Holton & Hunkel and A. D. Austin.

The monthly meeting of the Florists' Club was held at the new club rooms April 4. The meeting was well attended and the members present were enthusiastic over the fall flower show. A. Klokner, Fred Schmeling and R. Zepnick have the work in hand. A novelty for club meetings was presented last night when Mr. Klokner gave the club an interesting talk on the "Art of Floral Designing," illustrating his remarks with a choice wreath which he made in the presence of his audience.

The Colonial Flower Company will take the store formerly used by B. G. Lambros and according to reports will install the best fixtures. John Lambros, formerly of Chicago, is mentioned as manager.

The Holton & Hunkel Company is showing a selected line of flowering plants, such as hydrangeas, rhododendrons, lilacs, azaleas, etc., for Easter trade.

F. P. Dilger comes in every morning to the market with a wagon load of bulbous flowers. He knows how to grow them to perfection.

The stock and fixtures of B. G. Lambros, bankrupt, were sold at auction to Wm. Zimmerman, who intends using them in his new store.

John Arnold's wagon was struck by a car on Tuesday, the wagon being badly damaged and Mr. Arnold sustaining severe injuries.

Joe Marks formerly of the Poehlmann Brothers Company, Chicago, is back to his former place with the Holton & Hunkel Company.

Grand avenue is getting to be quite a center for the Greeks, three new stands having opened up within the week.

Otto H. Sasse, a retired florist was accidentally killed by a street car on Wisconsin street last week.

Joe Pollworth was married last Monday to Miss Yahr and they are off for an extended trip.

H.

Washington.

MARKET CONDITIONS.

The market has sunk to a dead level of dullness, but everybody is looking forward to Easter as a time of refreshing. The leading question now is: "What will you have for Easter?" Continued sunshine is bringing stock along at a canter and there is danger that some of it may be stale and unprofitable three weeks hence. The supply of good lilies is not large, with the District growers, and Philadelphia will doubtless furnish a large number. What the demand will amount to is problematical but in truth, the Easter outlook might be better. If the present warm weather continues, by Easter the city will be deserted by many of the best customers of the retail stores. In cut stocks, the prospects are fair for roses, carnations and callas.

AMBASSADOR'S FUNERAL DESIGNS.

A large number of designs were furnished for the funeral of the Mexican ambassador, March 28, J. H. Small & Sons had twenty pieces, the majority being standing wreaths of extra large size, in the composition of which a large quantity of the choicest stock in orchids, roses, carnations, Harrisii and valley was used. Z. D. Blackistone and George C. Shaffer also furnished a number of fine designs.

NOTES.

A great number of fine floral designs accompanied the remains of Miss Mildred Lee, youngest daughter of the late Gen. Robert E. Lee, from New Orleans, where she died, to the final resting place in Virginia. In addition to these, the ladies of several cities through which the funeral train passed met it at the depot with beautiful floral tributes.

The Department of Agriculture is having more trouble over the site of its new building. Secretary Wilson wants the vista from the main entrance to be up Thirteenth street, while the parking commission wants it to be up the mall.

The department needs plenty of room and should have it.

J. R. Freeman will make a fine showing in Easter lilies and a good variety of other pot stock. Mr. Freeman is one of the old reliables in potted plants, which, however, does not disqualify him in the line of cut flowers, as his roses, carnations and violets are also good.

John Robertson is now quite busy with landscape work but is not neglecting his Connecticut avenue store. Mr. Robertson is one of the all around florists.

Supt. Brown of the propagating gardens is making preparations for a fine display of bedding work in the parks.

S. E.

Louisville.

GOOD STOCK ABUNDANT.

The past week was a much more satisfactory one than the one previous. The weather has turned intensely warm, and consequently there is an abundance of stock to be had. The tree and shrub business this year was a very attractive one, and those handling this class of work are well satisfied with the season just closed. Seeds for early sowing also sold well. Roses of very good quality can be had in good quantities, with the demand very satisfactory. Carnations of good quality can be had in quantity, with the demand satisfactory. The season for violets has about ended and can justly be considered one of the best experienced locally. Lily of the valley of extra good quality is plentiful and sells well. Forget-me-nots have about completed their good season. Mignonette of good quality can be had in large quantity, with the demand satisfactory. Sweet peas of fine quality are being received and sell well. Daffodils can be had by the load, and sell for nearly nothing. Other bulbous stock continues to hold the price, sells well, and can be had in fair quantity.

NOTES.

The suit which Charles Rayner, of Anchorage, Ky., brought against Edward H. Marcus, of Louisville, Ky., for \$3,500, resulted in a verdict of \$200 in Mr. Rayner's favor. Mr. Rayner claimed that Mr. Marcus sold him inferior putty. As there were very few on the witness stand that were capable of talking facts in such a case, the justice of the decision is much questioned.

The sympathy of the craft is extended to the Misses Miller in the loss of their father, who was buried Sunday in Cave Hill cemetery.

Schulz have an unusually fine stock of spiræas coming on just right for Easter, when the plants should sell well.

Mrs. C. B. Thompson has been keeping a very attractive window.

FRED. L. SCHULZ.

Denver, Colo.

Trade is very good, stock coming in very plentifully and very fine. Bulbous stock is scarce at present, especially tulips, which is something very unusual at this time of year.

Miss Webb, of the Webb Floral Company, has closed out her business and will retire from the trade.

PLATTE.

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at \$1.00 per inch, net.

The advertising Department of the AMERICAN FLORIST is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send the old address at the same time.

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SHADE the azaleas moderately if they are coming on too fast.

If you intend to build this summer, secure the plans and study them now.

WHAT forcing stock is paying best this Easter? Provide next year's supply in time.

LOOK OUT.—The warmer weather of the past two weeks has made the work of retarding Easter plants very difficult. Vigilance is the watchword.

Illinois State Florists' Association.

This new organization was formed a few weeks ago and it is full of business. The members already have before the legislature a bill for an appropriation, which bids fair to pass. Much

credit will be due to the lobbying skill of the association's committee should the bill pass. The members of this committee went at it like veteran politicians.

To those concerned I beg to advise that the association is now duly incorporated under the laws of the state, the incorporation papers being now in my possession. We already have fifty members and solicit the application of every florist in the state of Illinois. Send same at once to H. Hasselbring, Dept. of Botany, University of Chicago, Chicago.

JAMES HARTSHORNE.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, Monday, April 10, at 8 p. m.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, Tuesday, April 11, at 8 p. m.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, Friday, April 14.

Chicago, Ill.—Chicago Florists' Club, Handel hall, 40 Randolph street, Thursday, April 13, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, Monday, April 10, at 7:30 p. m.

Davenport, Ia.—Tri-City Florists' Club, Thursday, April 13.

Denver, Colo.—Denver Floral Club, 323 Charles block, Friday, April 14, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, Friday, April 14, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic hall, Wednesday, April 12.

New Bedford, Mass.—New Bedford Florists' Club, Thursday, April 13.

New York, N. Y.—New York Florists' Club, Grand Opera House building, 8th avenue and 23rd street, Monday, April 10, at 8 p. m., Easter plant night.

New York, N. Y.—Horticultural Society of New York, American Institute rooms, Wednesday, April 12, at 8 p. m.

"An Evening with Caeti," by Dr. Britton, illustrated with lantern slides.

Omaha, Neb.—Nebraska Florists' Society, City Hall, Thursday, April 13, at 8 p. m.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Thursday, April 13, at 8 p. m.

Salt Lake City, Utah.—Salt Lake Florists' Society, Friday, April 14.

San Francisco, Cal.—Pacific Coast Horticultural Society, Saturday, April 15. Spring exhibition.

St. Louis, Mo.—St. Louis Florists' Club, Odd Fellows hall No. 2, Ninth and Olive streets, Thursday, April 13, at 2 p. m.

Trade Notes.

George A. Rackham, of Detroit, Mich., is a candidate for the office of school inspector and followed the example of Peter Reinberg, of Chicago, in selecting the carnation as his badge.

Kroeschell Brothers Company, Chicago, announces that its carnation measures can be had by interested parties for the asking.

Greenhouse builders should send catalogues to the Collins Irrigated Gardens, San Antonio, Tex.

Buffalo.

The warmest weather on record for two days last week was what Buffalo had, and the whole week was very good. Daffodils and other spring flowers shot up three or four inches out of the ground, and our only hope is no more extremely cold weather. All florists are confident of a good stock for Easter, as everything looks good, and the only fear of some is that continued bright weather will advance some of their azaleas too much.

Another floral establishment in the vicinity of Buffalo is the Eden Nurseries situated at Eden Center, N. Y., about nineteen miles from Buffalo and owned by Prof. Cowell and J. L. Moore. They have two houses, 20 x 100 feet, for chrysanthemums and this summer will have gladioli and asters in fine variety. Incidentally they have 27,000 cabbage plants and a large lot of lettuce and tomatoes. While the place is new and under the management of J. L. Moore, a good report will be made from it later.

The schedule committee of the Sweeney Spring Show met at South park greenhouses for their last meeting and made final arrangements for what promises to be a good show. The carnation exhibit is most encouraging to Manager Keitsch, who is also promised an unusually large display from the Lake View Rose Gardens, of which C. H. Roney has charge.

We have just been notified of the death of Donald Newlands, who had been ill for some time. He was associated with his mother for about six years and they had a very fine business. His death at his age is very sad, as he had a very bright future.

Prof. Cowell has at South park at present some very fine azaleas, amaryllis, single and double stocks in flower, also a very fine plant of Lilium umbellatum in flower. The collection of cacti at South park is very large and very fine.

Prof. Cowell has returned from his Panama trip and brought with him some good specimens of the different plants for the New York and Buffalo botanic gardens in interest of which he made the trip.

BISON.

Pittsburg.

PROBABLE SHORTAGE OF EASTER PLANTS.

For the past week we have been having fine weather with the temperature ranging from 50° to 82°. With its continuation the outlook for a sufficient supply of the usual Easter staples is very discouraging, and information is all speculative as to the supply of azaleas, daffodils, hyacinths, etc., for that time. The failure of supply in blooming plants will undoubtedly cause a big increase in the sale of roses, carnations and other cut flowers. The sale of violets continues steady.

NOTES.

Thos. Ulam filed a petition in bankruptcy and secured the appointment of a receiver, which action superseded the authority of the sheriff, and a receiver's sale took place March 30. Under this action Mr. Ulam shows that he is desirous of giving all his creditors consideration, as his assets almost equal one-half of his liabilities.

John Bader imported a great collection of azaleas and is doing everything

possible to suppress their development until the proper time.

The Allegheny market stands are delightfully attractive with their gorgeous array of cut flowers of all shades.

All our wholesale houses report that business continues good and the supply of stock plentiful.

J. B. Murdoch & Co. have begun the erection of their new rose and carnation houses.

Theodore Beckert is cutting lots of fine white, yellow and purple Spanish iris.

A. W. Smith is exhibiting a fine and extensive collection of blooming plants.

On March 29 fire destroyed the barn of Wm. Lauck. It was a total loss.

Lowe & Jones had a big week, funeral work being the cause.

The stork delivered a new boy at the McGrath home March 31.

P. J. Deemas is visiting growers in the nearby sections.

Patrick Maier is holding his Harrisii lilies in fine shape.

Howard Carney has become a citizen of Homestead.

OBITUARY.

E. E. Allen.

E. E. Allen, of Blairsville, Pa., died at his home March 27 from a serious attack of pneumonia. Mr. Allen was formerly a traveling salesman for a Philadelphia firm, but over a dozen years ago he retired from the road and engaged in floriculture. Mr. Allen was a civil war veteran and represented Indiana county in the state legislature at Harrisburg some twenty years ago. The deceased is survived by his wife and several children.

Michael J. Cox.

Michael J. Cox, head gardener for Thomas A. Edison, fell down stairs at his home, 44 Standish avenue, West Orange, N. J., Friday morning, March 24, and was fatally injured, death ensuing Saturday afternoon. He was carrying a pail of coal, and slipped at the head of the stairs. He was carried to the Memorial hospital, Orange, but never rallied. He had fractured his spine. The deceased leaves a widow and three children.

Postscript.

E. F. WINTERSON COMPANY, CHICAGO.

We saw your advertisement in the AMERICAN FLORIST, the only paper.

SOUTH PARK FLORISTS.

SPENCER, IA.—Dr. W. P. Spencer has an extensive stock of plants and flowers for Easter and they are now in fine condition.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—A German all-around florist, married. Box 223, care American Florist.

Situation Wanted—As rose and carnation grower; capable of taking charge of small place; life experience. Good references. Address Box 219, care American Florist.

Situation Wanted—By orchid grower, propagator, fancy plant grower, etc. 25 years' experience. Private or commercial. References A1. Apply No. 24, Julius Roehrs, Rutherford, N. J.

Situation Wanted—By good florist, single, German. 18 years' experience in cut flowers and plants. Position wanted as working foreman or section. Good wages expected. By list of May. Box 292, care American Florist.

Situation Wanted—Single German, ten years' experience with cut flowers and bedding stock, wishes position with some cut flower establishment in the west. Capable of taking full charge. Address F. W. SABBANSKY, 2022 Cairo Road, Paducah, Ky.

Help Wanted—Single man; good potter. BLONDELL CO., Oak Park, Ill.

Help Wanted—A young man used to vegetable garden work on a private place. Single. Apply stating wages to Box 296, care American Florist.

Help Wanted—At once; a young man from 22 to 30 years old to assist in growing roses, carnations and pot plants on place of 25,000 feet of glass. GLADE GREENHOUSE, Warren, Pa.

Help Wanted—At once; strictly sober, reliable man who understands all kinds of greenhouse work and can grow good roses and carnations. MUNCIE FLORAL CO., Muncie, Ind.

Help Wanted—At once, man who thoroughly understands 'mums and pot plants. Good wages to good man. Apply Jos. H. SEAMAN & Co., Washington, Pa.

Help Wanted—A young florist who is a good worker and has some years' experience in growing cut flowers and bedding stock. Good wages to the right man. Box 291, care American Florist.

Help Wanted—All around florist to grow first-class roses, carnations and general stock. Sober, reliable and industrious. Good wages, steady work. Send references. Address Box 298, care American Florist.

Help Wanted—A good grower of carnations and propagator of same; to assist in growing bedding plants and general work around greenhouse. Must be sober. State wages with reference. WOLFBORE GREENHOUSES, Wolfboro, N. H.

Help Wanted—A young man to take care of orchids in a private place. Must be thoroughly competent and interested in his work. Wages \$55.00 per month. Send references to ALFRED J. LOVELESS, Wyndhurst Gardens, Lenox, Mass.

Help Wanted—Young man as assistant around greenhouse of about 12,000 feet of glass; one who can drive horse and do bedding out and make himself useful. State wages expected without board. Address Box 126, Beaver, Beaver County, Pa.

Help Wanted—Sober and energetic man; experienced with shrubs, perennials and landscape work, to take charge of outside work; permanent situation. Also young man for carnation houses. State age, experience, references, etc. S. J. REUTER, Westerly, R. I.

Help Wanted—A good grower of roses, carnations, chrysanthemums and general stock of plants. Must be sober and good worker. State age, experience and wages expected with references. Address SUNNYSIDE GREENHOUSES, Owosso, Mich.

Help Wanted—A single competent gardener to take full charge of spacious ground around a modern summer home. Wages \$30.00 per month and board to start with. Must understand flowers; no glass; will have plenty of assistance. Address LEWIS & E. FLORIST, Pontiac, Mich.

Wanted—Second-hand iron frame greenhouse, not more than 12 feet wide. Must be in good condition. State size of glass and full particulars. Box 126, Beaver, Beaver Co., Pa.

Wanted Partner—To purchase interest in market garden. Healthy climate. Vegetables sent north, December to June. Tropical productions. LOUIS C. MANNING, Miami, Fla.

For Sale—A well stocked greenhouse for \$750. WM. BALLARD, Perry, Iowa.

For Sale—Coil boiler, 25 pipes, 4 ft. long, 14-inch, at \$15.00. Address C. WINTERICH, Defiance, O.

For Sale—A good business, in a fine town. Doesn't require a fortune. Investigate. Address Box 221, care American Florist.

For Sale—2000 feet, 3-inch, second-hand cast iron greenhouse pipe in good condition at 4¢ per ft. GEORGE REINBERG, 301 Balmoral Ave., Chicago.

For Sale—4-inch cast iron pipe at 6¢ per foot. One Kroeschell boiler, extra large size, cost over \$500 for \$150. Address HELLER BROS., New Castle, Ind.

For Sale—Cheap, a good paying florist business, well established, in San Antonio, Texas. Fine opening here for an up-to-date florist. Address Mrs. S. MAVERICK, San Antonio, Texas.

For Sale—Greenhouses of between 6,000 and 7,000 square feet of glass and double house. In fine locality. On trolley line. For particulars address Mrs. M. A. HILL, Ansonia, Conn.

For Sale—35,000 feet, 4-inch cast-iron pipe, 5 foot lengths and fittings; 16 4-inch gate valves; 10,000 feet 8x10, 8x12 and 10x12 double thick imported glass; pots all sizes. Address J. GRIFF, Melrose, Mass.

For Sale—Owing to the death of the proprietor, the greenhouses and stock of the Lake Geneva Floral Co., established in 1890 are offered for sale. A good opening for a practical man. W. H. HAMMERLEY, Lake Geneva, Wis.

For Sale—Greenhouses and retail store in Galveston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked up a fine trade and the possibilities are unlimited. Full particulars may be had by addressing Box 175, care American Florist.

For Sale—Two greenhouses, 24x100, three acres of land, large dwelling with all improvements, Two hours ride from New York. Known as the M. J. Moore place. Easy terms. For particulars address Mrs. J. SYMONS, Highland, Ulster Co., N. Y.

For Sale or Lease—An exceptional bargain for right party; greenhouses with 8,000 square feet of glass. Hot-water heating plant with practically new boilers. 2½ acres of good land in fine location. Well established business in full operation. Apply to ANNA W. KIDDER, Waltham, Mass.

For Rent—At Frederick, Md., greenhouses 18x63, 12x102, 20x162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. HENRY TRAIL, Frederick, Md.

For Sale—An established florist business with a profitable retail trade in a growing southern city of over 40,000 inhabitants. Modern constructed greenhouses. Splendid opportunity for building up a large business, wholesale and retail, being advantageously situated for shipping north and south. Modern six room dwelling with all conveniences including electric lights and telephone; modern barn and servants' houses. All on 13 acres of elevated land with about 500 fruit trees in full bearing. The whole within the city limits and increasing in value every year. Good reasons for wanting to sell. Address Box 297, care American Florist.

WANTED

Position by A No. 1 landscape gardener and nurseryman with first-class firm or public institution; eventually private. Competent to take charge; best of references. For full particulars address

Box 295, care American Florist.

FOR SALE About 50,000 feet of glass nearly all devoted to carnations, one house of roses and one of asparagus plumosus; houses in splendid condition; two built last summer; 72-inch by 16 ft. boiler heats the place with ease; another large boiler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale and retail trade well established; one of the best shipping points in Michigan, reaching with ease and comparatively short time, Chicago, Milwaukee, Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid trade in field-grown carnation plants as well as rooted cuttings. Stock in fine condition. Soil and climate just suited to growing carnations—both quantity and quality. Splendid water privilege for field and houses. An exceptional chance for some one to step into a well established business. Will also sell or rent a large or medium sized house. For further particulars, address Box 228, care American Florist.

Always mention the.....

American Florist

when you write to an advertiser.

Toronto.

MARKET AND TRADE NOTES.

Business the past week has improved considerably. Saturday, March 25, was really the first spring-like day we have had and the effect on trade is noticeable, as sales in all lines have improved. The stock of roses continues to improve, both in quantity and quality, and though in fair demand there are plenty to supply all reasonable amounts. American Beauty are getting better and some select blooms are now seen. General MacArthur is also a little more plentiful and finds ready sale. The carnation crop seems to be shortening. Bulbous stock is very plentiful and narcissi in varieties are being sold at retail as low as 1 cent each. We would like to know how the grower intends to pay for his bulb out of this price.

GARDENERS' AND FLORISTS' CLUB.

The Gardeners' and Florists' Association held a well attended meeting at St. George's hall Tuesday evening. George Hollis gave a paper on "Hybridizing of Carnations." The carnation exhibit in connection gave plenty of food for thought and reflection during the evening.

F. R. Pierson Company, Tarrytown,

N. Y., exhibited White Lawson in excellent condition, Daheim, Victory, Enchantress and Variegated Lawson; W. J. Palmer, Buffalo, showed Red Lawson of good color; George Hollis had a promising white seedling; H. Weber & Sons, Oakland, Md., had My Maryland, an ideal white; J. H. Dunlop showed a vase of well grown Harlowarden; George Mills staged a vase of Boston Market; Siebrecht & Son sent a vase of their new Rose Killarney, very fine.

NOTES.

P. Fogarty & Sons have sold the present site on which their greenhouses are located, moving across the railroad track. They have already built one house and are getting the material ready for two more houses 21 x 150 feet.

J. H. Dunlop intends to tear down some of his old houses and build a range of three houses 25 x 250 feet for American Beauty roses. They will be built in the latest style of iron construction, using brick and tile benches.

Primula obconica very well grown and in large variety of colors have been coming from the Steele, Briggs Company. John Riggall, the foreman, has some fine cinerarias and gloxinias.

W. J. Lawrence has not exactly decided on what he intends doing. Several houses will be rebuilt and two modern new houses will be added to his present establishment.

The Toronto Floral Company is tearing down some of the old houses and building new ones in their places. They are also building two new houses 25 x 50 feet.

An attractive window has been displayed at the College Flower Shop, banked with log moss, pieces of rustic work, green lights and clusters of mushrooms.

J. H. Dunlop has been making a fine display of rhododendrons. Some of the mauve and light varieties are fine. The colors compare favorably with orchids.

The English primroses from Frank Duffert are quite a novelty and will no doubt have a large call for Primrose day.

R. Jennings, of Brampton, is sending in fine sweet peas with long stems and well colored.

John Gard is putting up two houses 20 x 200 feet, using wood and iron construction.

Grobba & Wandrey are building a range 200 x 250 feet for carnations.

H. G. D.

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaune**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75c per dozen; \$6.00 per 100.
Anemone Price Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

	Per doz.	100		Per doz.	100
Achillea, The Pearl, strong 3-in. pots	\$ 75	\$ 5.00	Heliopsis Scaber Major, 4-in. pots.....	\$1.00	\$8.00
Asclepias Tuberosa, strong 1-yr. old roots	75	6.00	Hollyhocks, Dreer Superb Double in separate colors.....	1.25	10.00
Asters hardy in var. strong 3-in. pots.	1.00	8.00	Hollyhocks, Dreer Superb Double in choice mixture.....	1.00	8.00
" Edna Mercia; a fine new pink var.	2.00	15.00	Hypericum Moserianum, 3-in. pots....	1.00	8.00
" Grandiflorus; large flowered late blue	2.00	15.00	Iberis Sempervirens, 3-in. pots.....	75	6.00
Boltonia Latisquama, 4-in. pots.....	75	6.00	Iris Kaempferi, 24 choice named var.	1.25	10.00
" Asteroides, 4-in. pots	75	6.00	" finest mixed.....	1.00	8.00
Campanula Mocheimi, 3-in. pots.....	1.25	10.00	" Germanica, 12 choice name var.....	75	6.00
" Pyramidalis, strong 1 yr. clumps.....	1.00	8.00	" fine mixed.....	50	4.00
Caryopteris Mastacantha, 3-in. pots....	75	6.00	Lobelia Cardinalis, strong 4-in. pots...	75	6.00
Chrysanthemum Shasta Daisy, 2 1/2-in. pots.....	60	4.00	Lychnis Chalcedonica, strong 3-in. pts.	75	6.00
Chrysanthemum Maximum. Triumph 3-in pots.....	75	6.00	" alba, strong 4-in pots.....	75	6.00
Cimicifuga Simplex (rare) strong plants	3.50	25.00	" Rubra, Fl. Pl. strong 3-in. pts.	2.00	15.00
Clematis Recta, strong 2 year old.....	1.50	12.00	" Viscaria Splendens, strong 4-in. pots.....	1.00	8.00
Coreopsis Lanceolata, heavy 4-in. pots..	75	5.00	Myosotis Palustris Semperflorens, strong 3-in. pots.....	50	4.00
Delphinium Formosum, strong 4-in. pots	75	6.00	" Alpestris Grandiflora, strong clumps....	50	4.00
" Belladonna (rare) very free flowering.....	2.50	20.00	Paeonies in choice varieties; see catalogue for varieties.....	1.50	12.00
Dianthus Latifolius Atrococcineus, 2 1/2-in. pots.....	60	4.00	Penstemon Gentianoides, 3-in. pots....	1.00	8.00
Digitalis Gloxiniaeflora, 4-in. pots.....	75	6.00	Physostegia Virginica, strong 4-in. pts.	75	6.00
Doronicum Austriacum, 3-in. pots.....	1.00	8.00	" alba, strong 4-in. pots.....	75	6.00
" Excelsum, 3-in. pots.....	1.00	8.00	Perennial Phloxes, 25 finest varieties..	75	5.00
Erigeron Coeruleus Grandiflorus, 3-in. pots.....	1.00	8.00	Pinks Hardy, 6 best varieties, 4-in. pts.	75	6.00
Eupatorium Ageratoides, 4-in. pots....	75	6.00	Pyrethrum Uliginosum, strong plants.	75	6.00
" Coccinellum, 3-in. pots.....	75	6.00	Rudbeckia Golden Glow, strong 4-in. pots.....	75	6.00
Feverfew Little Gem, 2 1/2-in. pots.....	60	4.00	" Purpurea, strong 4-in. pots.....	1.00	8.00
Funkia Subcordata Alba, 4-in. pots....	1.00	8.00	Scabiosa Caucasica, strong 3-in. pots ..	1.00	8.00
Gaillardia Grandiflora, heavy 4-in. pots.	75	6.00	" alba, strong 3-in. pots.....	1.00	8.00
Gypsophila Paniculata, strong 1 year old roots.....	75	6.00	Solidago Rigida, strong 4-in. pots.....	1.25	10.00
Helenium Autumnale Superba, 4-in. pots.....	75	6.00	" strong 4-in. pots.....	75	6.00
" Pumilum, 3-in. pots	1.00	8.00	Spiraea Aruncus, strong 3-in. pots.....	1.00	8.00
" Magnificum, 3-in. pots	1.25	10.00	" Chilensis, clumps.....	1.25	10.00
Hellanthus Multiflorus Fl. Pl., strong.	75	6.00	" Filipendula, fl. pl., 4-in pots..	75	6.00
" Maximus, strong	75	6.00	" Gigantea, clumps.....	1.25	10.00
" Maximiliana, strong.....	75	6.00	" Palmata, clumps.....	1.00	8.00
" Meteor, strong.....	75	6.00	" Elegans, strong 4-in. pots.....	75	6.00
" Soleil d'Or, strong.....	75	6.00			
" Wolley Dod, strong.....	1.00	8.00			
Heliopsis Pitcherianus, 4-in. pots.....	1.00	8.00			



	Per doz.	100
Spiraea Ulmaria, strong 4-in. pots.....	\$ 75	\$ 6.00
" fl. pl., strong 4-in. pts.	75	6.00
Statice Eximial, strong 3-in. pots.....	75	6.00
" Gmelini, strong 3-in. pots.....	75	6.00
" Latifolia, strong 3-in. pots.....	75	6.00
Stokesia Cyanea, strong 3-in. pots.....	1.00	5.00
Sweet Williams, strong 4-in. pots.....	60	4.00
" large clumps.....	75	6.00
Thalictrum Aquilegifolium Atropurpurea, 4-in. pots.....	1.00	8.00
Thalictrum Aquilegifolium Album, 4-in pots	2.00	15.00
Thalictrum Aquilegifolium Roseum 4-in. pots.....	1.00	8.00
Trollius Aurantiacus, 4-in. pots.....	1.50	10.00
" Europaeus, 4-in. pots.....	1.00	8.00
" Japonicus Excelsior, 4-in. pts.	1.50	10.00
" Orange Globe, 4-in. pots	2.50	18.00
Tritoma Pitzieri, strong per 1000	\$50.00	1.00
" Coralina	50.00	1.00
" Macowanii	75.00	1.00
Uvaria Grandiflora, strong per 1000.....	50.00	1.00
Valeriana Coccinea, 4-in. pots.....	1.00	8.00
" alba, 4-in. pots.....	1.00	8.00
" Officinalis, 4-in. pots.....	1.00	8.00

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Or do you just **think** you are?

Are you sure that you are going to get the best possible flowers at the least possible prices, in the promptest possible time?

Get in touch with us and make sure of it.

We have made greater preparations than ever before for Easter Trade.

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Prices:

100 LBS @ 8
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FIVE MILLION HARDY CUT FERNS

Fancy and Dagger; now being overstocked; have to reduce my price from \$1.50 to \$1.25. Cash with all orders. Princess Pine Roofing for Easter. Laurel Roping, hand made. First quality Elm and Maple Trees for planting. Fine Sphagnum Moss, 60c per bbl., first quality; second quality, 30c. per bbl.

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Street Cut Flower



Market. Specialties: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, 75c per 1000.

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Write, Wire or Phone the Introducers,
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New Crop Southern Wild Smilax
now ready in limited quantities.

George Cotsonas & Co.

Wholesale and Retail Dealers
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Evergreens.



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Ferns, Bronze and
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All Decorating Evergreens, Galax,
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Fancy, \$1.50; Dagger, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$3.50 per case of 10,000. Laurel Festooning, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your

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Now and we will please you. Branch Laurel, 35c per large bundle. Southern Wild Smilax, per 50-lb. case, \$5.50. Laurel Wreaths and Princess Pine Wreaths, made all sizes and prices. Princess Pine by the lb. and made into roping. Tell us your wants and we will name you prices.



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MILWAUKEE, April 5.		
Roses, Beauty, long, per doz.	5 00	
" " med. " "	2.00@ 3 00	
" " short " "	.75	
" Liberty.....	6.00@10 00	
" Chatenay.....	3.00@ 6 00	
" Bride, Bridesmaid.....	3.00@ 6 00	
" Meteor, Golden Gate.....	3.00@ 8 00	
" Perle.....	3.00@ 6 00	
Carnations.....	1.00@ 3.00	
Smilax.....	12.50@15.00	
Asparagus sprays.....	2 00	
Valley.....	2.00@ 3 00	
Adiantum.....	1.50	
Violets.....	50@ .75	
Callas.....	8 00@10 00	
Romans, Paper Whites.....	3 00	
Harrisii.....	10.00@12.50	
Tulips, Daffodils.....	3 00	

PITTSBURG, April 5.		
Roses, Beauty, specials.....	25 00@30 00	
" " extras.....	15 00@20 00	
" " No. 1.....	6 00@ 0 00	
" " ordinary.....	3 00@ 5 00	
" Bride, Bridesmaid.....	3 00@12 00	
" Meteor.....	6 00@ 8 00	
" Liberties.....	8 00@15 00	
" Perle, Chatenay.....	3 00@ 8 00	
Carnations.....	1 00@ 3 00	
Lily of the valley.....	3 00@ 4 00	
Smilax.....	12 50@15 00	
Asparagus, strings.....	25 00@50 00	
Asparagus Sprengerii.....	2 00@ 3 00	
Lilies.....	6 00@12 00	
Adiantum.....	1 00@ 1 50	
Mignonette.....	1 00@ 3 00	
Daffodils.....	2 00@ 3 00	

CINCINNATI, April 5.		
Roses, Beauty, per doz.....	1.00@ 4.00	
" Bride, Bridesmaid.....	4.00@ 8.00	
" Liberty.....	6.00@10 00	
" Meteor, Golden Gate.....	4.00@ 8.00	
Carnations.....	1.50@ 3.00	
Lily of the valley.....	3.00@ 4.00	
Asparagus.....	50 00	
Smilax.....	12.50@15.00	
Adiantum.....	1.00@ 1.50	
Callas.....	10.00	
Asparagus Plumosus and Sprengerii		
in bunches.....	.25c per bunch	
Harrisii.....	12.50@15.00	
Romans, narcissus.....	3 00	
Violets.....	.50@ .75	

St. Louis, April 5.		
Roses, Beauty, long stem.....	2.00@ 3.00	
" " medium stem.....	1.50@ 2.00	
" " short stem.....	.50@ 1.00	
" Bride, Bridesmaid.....	4.00@ 6.00	
" Liberty.....	4.00@ 6.00	
" Kaiserin.....	4.00@ 6.00	
Carnations.....	1.00@ 3.00	
Smilax.....	12.50@15.00	
Asparagus Sprengerii.....	1.50@ 3.00	
" Plumosus.....	25.00@50.00	
Ferns, fancy.....	per 1000, 2 00	
Adiantum.....	1.00@ 1.25	
Violets, California.....	.25@ .40	
" Doubles.....	.50	
Lily of the valley.....	2.00@ 3.00	
Romans.....	2.00@ 3.00	
Callas.....	8.00@10.00	
Paper White narcissus.....	3.00	

CLEVELAND, April 5.		
Roses, Beauty, per doz.....	.75@ 4.00	
" Bride, Bridesmaid.....	3.00@ 8.00	
" Meteor.....	3.00@ 8.00	
Carnations.....	1.00@ 4.00	
Smilax.....	10.00@15.00	
Asparagus, strings.....	25.00@50.00	
" Sprengerii.....	1.00@ 2.00	
Common ferns.....	2 00	
Violets, single.....	.35@ .75	
" double.....	.50@ 1.00	
Tulips.....	3.00@ 4.00	
Sweet peas.....	.50@ 1.00	

EASTER LILIES**VIOLETS CARNATIONS****Tulips Daffodils Wild Smilax**

And all general stock in quantity. Send us your orders.

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All flowers sold at prevailing market prices. Orders received and filled at Greenhouses if desired, by addressing

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Lily of the Valley

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EASTER FORCING

Order Now.

Selected pips, \$12.00 per 1000; \$1.50 per 100.

Largest and finest stock in the west.

H. N. BRUNS,

1409 1411 W. Madison St.,

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An error in proofreading made us quote J. B. Deamud's Lilies for Easter last week at \$1.25 per 1000 when the price should have been \$125 per 1000.

AMERICAN FLORIST COMPANY.**PLACE YOUR NAME.....**

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.**THE AMERICAN FLORIST.**

EASTER ORDERS.

WE are booking orders now and are prepared to make you figures for Easter delivery. We do not want you to place your orders elsewhere until you have figured with us. We are booking orders now on Longiflorums for Easter delivery at \$125.00 per 1000. Our lilies are packed in boxes at the greenhouses and shipped in original packages, thus avoiding bruising by rehandling.

FINE FANCY WHITE LILAC NOW ON HAND, \$1.00 per dozen. WE HAVE A LARGE CROP OF LIBERTIES, BRIDES AND MAIDS. EXTRA CHOICE STOCK.

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With the Flower Telephone—
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All telephone and telegraph orders
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CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-
able prices. Prompt attention.

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Wholesale Flower Markets

CHICAGO, April 5			
Roses, Beauty, 30 to 36-in. stems	4.00		
" " 20 to 24 " "	2.00@ 3.00		
" " 15 to 18 " "	1.50@ 2.00		
" " 12 " "	1.00		
" Liberty.....	6.00@ 8.00		
" Chateau.....	5.00@ 8.00		
" Bride, Bridesmaid.....	4.00@ 6.00		
" Meteor, Golden Gate.....	4.00@ 6.00		
" Gen'l MacArthur.....	6.00@ 15.00		
Carnations.....	1.00@ 2.00		
" fancy.....	2.00@ 3.00		
Valley.....	2.00@ 4.00		
Violets.....	.30@ 1.00		
Asparagus Plumosus, per string 40 to 50	sprays 2.00@ 6.00		
" Sprengerl.....	3.00@ 6.00		
Leucothoe sprays.....	.75@ 1.00		
Galax Leaves, Bronze, per 1000	1.00		.15
" Green, " "	1.00		
Adiantum.....	.75@ 1.00		
Fancy ferns.....per 1000	2.50@ 3.00		
Smilax.....	12.00@ 15.00		
Wild smilax.....per case	6.00		
Easter lilies.....	8.00@ 12.50		
Callas.....1.00@ 1.50 per doz.			
Paper Whites.....	3.00		
Pot's narcissus.....	1.00		
Romans.....	3.00		
Tulips.....	1.50@ 5.00		

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51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Price List.

AMERICAN BEAUTIES—		Per doz.
Extra Select.....		\$ 4.00
30-inch stems.....		2.50
24-inch stems.....		2.00
20-inch stems.....		1.50
15-inch stems.....		1.25
12-inch stems.....		1.00
Short stems, per 100.....		\$5.00 to 6.00

		Per 100
LIBERTY.....		\$8.00 to 10.00
" Medium.....		4.00 to 6.00
CHATENAY.....		5.00 to 8.00
MAIDS AND BRIDES.....		5.00 to 8.00
PERLE.....		4.00 to 6.00
SUNRISE.....		6.00 to 8.00
UNCLE JOHN.....		6.00 to 10.00
CARNATIONS.....		1.50 to 2.50

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5.00.

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and
Dealers in **Cut Flowers**

All telegraph and telephone orders
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Morton Grove, Ill. Randolph Street,
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WIRE DESIGNS at

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60 Wabash Ave., CHICAGO.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

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CHICAGO.

The Cleveland Cut Flower Company,

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All Varieties FLOWERS In Season. FANCY and DAGGER FERNS.
FLORISTS' SUPPLIES all kinds.

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GRAFTED ROSE STOCK.

Now is the time to order for summer flowering
KAISERIN and CARNOT, 2 1/4-inch pots, \$15.00 per 100; \$120.00 per 1000
OUR ROOT STOCK.

KAISERIN, CARNOT, BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.
I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

—THE—

J. M. McCullough's Sons Co.

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ALSO SUCCESSORS TO
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Special attention given to Shipping Orders.

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C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

Boston, April 4.	
Roses, Beauty, best.....	20.00@25.00
" " medium.....	12.00@20.00
" " culls.....	6.00@ 8.00
" Bride, Bridesmaid.....	4.00@ 6.00
" Extra.....	8.00@12.00
" Liberty.....	1.00@ 8.00
Carnations.....	1.50@ 2.00
" Fancy.....	2.00@ 3.00
Lily of the valley.....	2.00@ 3.00
Smilax.....	12.00@16.00
Adiantum.....	1.00
Asparagus.....	35.00@50.00
Violets.....	.35@ .50

PHILADELPHIA, April 4.	
Roses, Tea.....	4.00@ 6.00
" " extra.....	8.00@10.00
" Liberty.....	6.00@20.00
Queen of Edgely, extra.....	15.00@25.00
" " frsts.....	10.00@15.00
" Beauty, extra.....	15.00@25.00
" " frsts.....	10.00@15.00
Carnations.....	1.00@ 4.00
Lily of the valley.....	2.00@ 4.00
Asparagus.....	25.00@50.00
Smilax.....	15.00@20.00
Violets, single.....	.25@ .40
" double.....	.30@ .50
Adiantum.....	.75@ 1.50
Gardenias.....	.12@ .15
Mignonette.....	2.00@ 3.00

BUFFALO, April 3.	
Roses, Beauty.....	2.00@35.00
" Bride, Bridesmaid, Meteor.....	2.00@10.00
Carnations.....	1.00@ 4.00
Harrisii.....	10.00@12.50
Lily of the valley.....	2.00@ 4.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.75@ 1.50
Lilium Longiflorum.....	10.00@12.50
Violets.....	.20@ .50

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WHOLESALE FLORISTS
and Florists' Supplies.

228 Diamond St., PITTSBURG, PA.
Send for weekly price list and prices on large orders..

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,
FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

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128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at
Market Prices.
Shippers of choice Cut Flowers and Greens of all
kinds. Try us.

IMPERIAL FLORIST CO.,

14 Washington Ave. N.,
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WILL OPEN BUSINESS APRIL 15th.

Consignments Solicited. We are in a position to
give prompt and liberal returns to all.

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WM. J. MUTH, Manager.

PHILADELPHIA CUT FLOWER CO.

Wholesale Commission Florists

CHOICE BEAUTIES, MAIDS AND BRIDE ROSES,
FANCY CARNATIONS, TULIPS, DAFFODILS

AND ALL OTHER SEASONABLE FLOWERS.

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

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WM. DILGER, Mgr.

Fancy and Dagger Ferns.
All Cut Flowers in Season.

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THE AMERICAN FLORIST'S COLOR CHART

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color descriptions, by many foreign
houses as well as in America

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SUCCESSOR TO BRANT & NOE FLORAL CO.

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CUT FLOWERS AT WHOLESALE.
Choice Carnations. Any quantity. Prices
very reasonable. Wire or write.

Careful attention given shipping orders.
58-60 Wabash Ave., CHICAGO.

Spring Number Next Week. Send Advertisement Now.

THE RELIABLE Commission House,
Jos. S. Fenrich
 48 W. 30th St., NEW YORK.
 Telephone 325 Madison Sq.

YOUNG & NUGENT
 42 West 28th Street, Wholesale Florists.
 Telephone 2085 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their orders with us that they will not be disappointed.

J. K. ALLEN,
 Wholesale Commission Florist,
 106 West 28th Street, NEW YORK.
 American Beauties, Orchids, Roses,
 and Every Variety of CUT FLOWERS.
 Tel. 187 Madison Square. Open every day at 6 a. m.
 Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH
 Wholesale Commission Florists,
 55 and 57 West 25th St., NEW YORK CITY.
 Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 Madison Square.

57 West 28th Street, NEW YORK CITY.

JOHN YOUNG,
 Special American Beauties,
 Surpassing Carnations,
 Lily of the Valley, Orchids
 and all Seasonable Flowers.
 51 West 28th St., NEW YORK.
 Telephone 1905 Madison Square.

Original Pioneer House—Established 1871.

JAMES HART
 117 W. 30th St., NEW YORK.

Wholesale and Commission
 Consignments solicited. Shipping orders promptly attended to. Phone 626 Madison.

—FLOWERS SHIPPED BY—

John I. Raynor,
 Are the best product of the best growers
 for the New York Market.
 ADIANTUM CROWEANUM sold here exclusively.
 49 W. 28th St., NEW YORK.
 Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
 Telephone 902 Madison Square.

39 West 28th St., NEW YORK.
 20 years' experience. Tel. 4878 Madison.

JOHN SELIGMAN,
WHOLESALE FLORIST

56 W. 26th Street, NEW YORK.
 OPPOSITE N. Y. CUT FLOWER CO.
 Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed.

Choice Carnations. Selected Roses.
Traendly & Schenck
 NEW YORK CITY,
 44 W. 28th Street, Cut Flower Exchange.
 New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, April 3.

Roses, Beauty, best.....	10 00@15.00
" " medium.....	3 00@10.00
" " culls.....	1 00@ 2.00
" Liberty, best.....	10.00@20.00
" " medium.....	3.00@10.00
" " culls.....	1 00@ 2.00
" Bride, Bridesmaid, G. Gate.....	1 00@ 5.00
" Kaiserin, Carnot.....	1.50@ 5.00
Carnations.....	.50@ 3.00
" fancy and novelties.....	3.00
Lily of the valley.....	1 00@ 2.00
Lilies.....	4.00@ 8.00
Smilax.....	10.00@15.00
Adiantum.....	.50@ .75
Asparagus.....	20.00@50.00
Tulips.....	1.00@ 2.00
Violets.....	.15@ .40

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which I can ship ferns and decorative plants promptly.

50 W. 29th St. NEW YORK.
 Tel. 3860 and 3861 Madison Square.
 Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
 Consignments Solicited.
A. L. YOUNG & CO., Wholesale Florists,
 54 West 28th Street,
 Telephone 3559 Madison Sq. NEW YORK.

FORD BROS.
 Receivers and Shippers of
Fresh Flowers
 111 West 30th St., NEW YORK.
 Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang
 53 West 30th Street, NEW YORK.
COMMISSION DEALER in FLOWERS
 TELEPHONE 280 MADISON SQUARE.

The Only House Handling the **Victory**
NEW RED CARNATION
 To be Disseminated 1906. Also a Complete Line of **Choicest Flowers.**

ALEX. J. GUTTMAN, WHOLESALE FLORIST,
 52 West 29th Street, NEW YORK.
 Telephones: 1664-1665 Madison Square.

N. Y. CUT FLOWER EXCHANGE
 Coogan Bldg., 6th Ave. & W. 26th St., New York.
 Open for Cut Flower Sales at 6 o'clock Every Morning.

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

CARNATIONS My Specialty.
 CONSIGNMENTS SOLICITED.
 Prompt Payments. Established 1891.
Alfred H. Langjahr, 55 W. 28th St. New York.
 Telephone 8924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
 Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND, Floral Artists,

88 Post Street, SAN FRANCISCO, CAL.
Please mention the American Florist when writing.

INDIANAPOLIS.

Bertermann Bros. Co., FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IND.
Please mention the American Florist when writing.

ST. LOUIS.

Fred. C. Weber, FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Bell, Lindell 676.
Please mention the American Florist when writing.

DENVER.

The Park Floral Co.

J. A. VALENTINE, Pres. DENVER, COLO.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in

WISCONSIN.

CHICAGO.

Established 1857.

The Geo. Wittbold Co.

1657 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

A. Gude & Bro.

FLORISTS

1214 F St., WASHINGTON, D. C.

KANSAS CITY.

WILLIAM L. ROCK FLOWER CO.

Kansas City, Mo.



BUFFALO,
N. Y.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs.***

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

Wholesale Flower Markets

ST. PAUL, April 3.

Roses, Beauty, long, per doz.	6.00
" " med. " .. 2.00@	3.00
" " short " .. 75@	1.00
" Liberty	4.00@ 8.00
" Chateauy	6.00@ 8.00
" Bride, Bridesmaid	5.00@ 8.00
" Gates and Ivory	6.00@ 10.00
" Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Violets .....	.50@ .75
Valley	3.00@ 4.00
Romans, Paper White	3.00
Tulips, Daffodils	3.00
Sweet Peas .....	.50@ .75
Callas	12.50
Harrisii	10.00@ 15.00
Smilax	15.00
Sprengerl	2.00
Adiantum	1.00

MINNEAPOLIS, April 3.

Roses, Beauty, long, per doz.	4.50
" " med. " .. 2.00@	3.00
" " short " .. 50@	.75
" Liberty	6.00@ 12.00
" Chateauy	6.00@ 8.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor, Golden Gate	3.00@ 8.00
" Perle	3.00@ 6.00
Carnations	1.50@ 3.00
Smilax	12.50@ 15.00
Asparagus sprays	2.00
Valley	3.00
Adiantum	1.50
Violets .....	.50@ .75
Callas	8.00@ 10.00
Romans, Paper Whites	3.00
Harrisii	10.00@ 12.50
Tulips, Daffodils	3.00

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

Please mention the American Florist when writing.

OMAHA.

HESS & SWOBODA, FLORISTS,

1415 Farnam Street, OMAHA, NEB.

'Phone 1601 and L. 1632.

Please mention the American Florist when writing.

SPRINGFIELD.

Mark Aitken FLORIST.

378 Main St., Springfield, Mass.

CHAS. CHADWICK,

COR. FULTON & LAGRAVE,

Grand Rapids, Mich.

WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

—A TRIAL ORDER SOLICITED.—

Please mention the American Florist when writing.

JOHN WOLF,

Wholesale and Retail Florist,

SAVANNAH, GA.

Paper White Narcissus and
Roman Hyacinths.

\$2.00 per hundred, in any quantity,

Long Distance Telephone Connections.

WASHINGTON.

Joseph R. Freeman, FLORIST,

612 13th St. N.W., WASHINGTON, D. C.

Please mention the American Florist when writing.

ST. PAUL.

HOLM & OLSON, ST. PAUL.

THE LEADING FLORISTS OF THE N. W.

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. Chas. Eickholt,

2319 AVENUE M,

GALVESTON, TEXAS.

Cut Flowers, Floral Designs, Decorations.

Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

Asparagus Plumosus,

50 CENTS PER STRING.

Carnation Blooms and Rooted Cuttings.

Good stock.

W. H. WATSON, Lapeer, Mich.



A Daily Shipment From 40 to 60 Growers

ENABLES US TO SAY "WE CAN AND WILL FILL YOUR
CUT FLOWER WANTS TO ADVANTAGE." : : : :

Store open from 7 a. m. to 7 p. m. on week days and 7 a. m. to 1 p. m. on Sundays.

We carry the most Complete Line of General Florists' Supplies in the West. Illustrated Catalogue free. Telegraph at our expense for latest quotations on any Cut Flower Supplies.

We Anticipate Good Supplies

—OF—

MOST STOCKS FOR NEXT WEEK.

IF YOU CAN USE **QUANTITIES**

For Store Openings and the like, Write or Wire for Lowest Quotations.

E. F. WINTERSON COMPANY,
45-47-49 Wabash Ave., CHICAGO.

CURRENT PRICES.

For Week of April 3rd to April 10th.

Roses.	Per dozen.
American Beauty, 30 to 36 ins....	\$3.00
" 24 inches.....	2.00
" 20 inches.....	1.50
" 15 inches.....	1.00
" 12 inches.....	.75
" Short.....	.50 to .75
Bride, Bridesmaid, Gate.....	3.00 to 6.00
Roses, Our Selection.....	2.00 to 4.00
Liberty.....	4.00 to 8.00
Chatenay.....	4.00 to 8.00

Carnations.	Per 100
Fancy.....	\$3.00
Good Average.....	1.50 to 2.00
Fair Stock, for bargain sales (Our Selection) Per 1000, \$10.00	
Valley.....	2.00 to 3.00
Violets.....	.40 to .75
Callas.....	8.00 to 12.00
Paper Whites, Romans.....	3.00
Harrisli.....	10.00 to 12.00
Tulips, Daffodils.....	2.00 to 4.00
Sweet Peas.....	.75 to 1.00
Mignonette.....	.40 to .75
Asparagus Plumosus, per string.....	.25 to .50
Asparagus Plum. Sprays, per 100.....	2.00 to 5.00
Asparagus Sprengeri, per 100.....	2.00 to 5.00
Common Ferns, per 100.....	2.50
Galax Leaves, Bronze, per 100.....	1.00
" Green.....	1.00
Green Leucothoe Sprays, per 100, 75: Red, 1.00	
Adiantum.....	1.00 to 1.25
Smilax, per dozen.....	1.50 to 2.00
Jonquils.....	\$2.00 to \$5.00 per 100

All prices subject to change without notice.

Please mention the American Florist when writing.



My Specialties **EASTER**
For

Everything in Fancy Cut Flowers.

ORCHIDS A SPECIALTY.

Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.

A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand.

Also a fine line of Novelties in Florists' Supplies.

If you want the BEST at any Time, or all the Time, send to

CHAS. W. McKELLAR,
51 Wabash Ave., CHICAGO.

Long Distance Phone, Central 3598.
Automatic, 3623.

EASTER NOVELTIES.

I quote the following goods for immediate shipment, clean fresh stock just in:

Easter Chicks, fancy imported, doz., \$3.00.
" domestic, doz., 2.00.
Easter Ducks, fancy imported, doz., 3.00.
" domestic, doz., 2.00.
Cotton Chicks and Ducks, 25c to \$1.00 doz.
Twig Baskets or Nests, 75c to \$3.00 doz.
Mats, plain and fancy, \$2.00 to \$2.50 doz.
Water-proof Crepe Paper \$2.50 doz.
Common Crepe, all colors, 75c doz.
Easter Ribbons, finest quality satin, per bolt,
No. 5 No. 7 No. 9 No. 12 No. 16 No. 22 No. 40 No. 60
45c 55c 65c 85c \$1.00 \$1.10 \$1.25 \$1.50
I can supply all colors in above.
Baby Ribbons, all colors, per doz. sps., \$4.00.
Violet Cords, from 50c to \$1.50 doz.
Violet Ribbon Ties, from 75c to \$2.00 doz.
Crepe Paper Pot Covers, 50c to \$2.00 doz.
Match-Sticks 6-inch, 50c; 12-inch, 75c; 18-inch, \$1.00 per M.
Fancy Pearl Corsage Pins, assorted colors,
15c to \$1.00 doz.: \$1.00 to \$6.00 per gr.
Violet Hampers, from 50c to \$1.50 each.
Cycas Leaves, Ass't. 24 to 48-inch, per 100 \$12.
Doves, very finest quality, per doz.....\$12.00
Next best grade, per doz..... 10.00
Seconds for decorating, per doz..... 8.00
Small Chenille Birds, per doz., 50c, 75c and \$1.
Folding Easter Bells, white paper, No. 1, 5-in.
\$1: No. 2, 7-in. \$1.25; No. 3, 9-in. \$1.75 doz.
Violet Tin Foil, per lb., 35c; 3 lbs., \$1.00; 100 lbs. \$25.00.
A full line of all other supplies, Wire Designs, Sheaves, Baskets, etc.

Please mention the American Florist when writing.

GET IN LINE

And Order Your EASTER STOCK From

SINNER BROS.

WHOLESALE GROWERS 60 Wabash Ave., CHICAGO.

TRY OUR STOCK--You will like it.

TRY OUR SERVICE--You will want more of it.

BULB STOCK

LILIES

ROSES

CARNATIONS

FERNS

GALAX

GREENS

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

THE onion set market is very dull at present.

VISITED CHICAGO: Wm. Hagemann, of New York.

THIS is the time shortages appear in unexpected places.

CHICAGO newspapers are publishing long articles on gardening almost daily.

POTATOES look as if they would go as low as 15 cents on the Chicago market.

THE early spring has advanced trade to nearly three weeks ahead of last year.

GRASS seed trade is very brisk. The Dickinson Company is reported to have had the biggest day of their existence last week.

JOHN LEWIS CHILDS, Floral Park, N. Y., has secured exclusive control of Luther Burbank's sensational new rhubarb, it is said.

VISITED SAN FRANCISCO, CAL.—John Lewis Childs, Floral Park, N. Y.; William Rennie, Toronto, Ont.; J. C. Vaughan, Chicago, and J. A. Navlet, Sacramento, Cal.

NEW ULM, MINN.—The Minnesota Seed Company has been organized with a capital of \$50,000. The company will erect a three-story brick structure to be used as a warehouse and sorting station.

A. G. LEE, of A. G. Lee & Brother, Fort Smith, Ark., was a recent Chicago visitor. He reports that business has been very fine in his territory this season, with an unusually extensive demand for onion sets.

JACQUES COURTINE, of the Union Horticole, Hyres, France, sailed on the S. S. La Lorraine March 25, from Havre for the United States, where he will call upon the seed trade. The headquarters of Mr. Courtine while in New York will be care of Lamy & Company, 210 Franklin street.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

Please mention the American Florist when writing.



RAWSON'S
Arlington Tested
Seeds For the Florist

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen
12 and 13 Faneuil Hall Square, BOSTON.

Please mention the American Florist when writing.

NEW ORLEANS, LA.—Cards are out for the wedding of Miss Armand Kerlec and John Baldini, which will take place April 26. Miss Kerlec has had charge of the flower seed department of Kerlec's Seed Store.

LOS ANGELES, CAL.—Musser & Johnson, Germain Seed Company, Payne Seed Company and other concerns say that their business has almost doubled, and a round of the seed stores, March 26, showed everyone busy with many customers.

Newport, R. I.

There never has been a season when such delay and consequent trouble has been caused by the railroad companies in regard to getting freight. It has not mattered whether small lots or carloads were concerned. Days have become weeks and weeks turned into months trying to get stock.

William C. Elliott, who has for a great many years been improving old varieties and perfecting new sorts of his own origination in sweet corn, has established himself in the trade as a dealer in new sorts of sweet corn exclusively.

Onion sets are somewhat easier in price, that is, for stock of fair quality; but the best Philadelphia sets are bringing full rates here as follows: white, \$5 per bushel; yellow and red, \$4.25 in large lots.

The George A. Weaver Company is, as always, very busy and is now handling large lots of onion sets and seed potatoes.

William B. Scott & Company have had a very active week, some seeds going in large lots, especially sweet peas and asters.

H. L. De Blois is having good sales of the J. M. Thorburn Company's new potato, Noroton Beauty. X.

Baltimore.

MARKET COMMENTS.

Trade shows a marked improvement in volume, and the character of offerings in cut flowers becomes daily better, though the high marks reached by the mercury will probably soon bring down the size and quality of all sorts. Prices are shrinking and business was done the past week by active pushing and liberal concessions in prices.

We have had a week of charming weather, too warm for the season, but clear and bright, and things move more rapidly as a consequence. Roses are plentiful, American Beauty beginning now for the first time for several months to appear in adequate supply of desirable grades. Carnations are in too great abundance and violets are nearing the end of their day, being small and poor. Green material continues scarce but of the hardy outdoor bulbous material from the south there is, like the making of books, no end. From some shipments it is doubtful if returns sufficient will be realized to pay the expressage. Every stall, every fakir has an over supply, and the prices at which they are distributed are ridiculously low.

The market men are out in force, and the sidewalks look like a flower show. The class of goods offering indicate, unfortunately, that the supplies meant

for Easter are already of necessity pushed into the market, azaleas, genistas, hyacinths and tulips offering in profusion.

A drop in temperature with cloudy days may retard stock not yet in bloom, but a continuance of such weather as that of the past week will make very problematical the Easter supplies. Of Harrisii and Longiflorum lilies the provision seems not very abundant, but it will be this year a problem of retarding rather than of forcing.

CLUB MEETING.

At its meeting last Monday evening the Gardeners' Club appointed a committee consisting of its surviving former presidents to consider and suggest a plan for the entertainment during the annual meeting in the City of Washington, of the Society of American Florists or of such members as may visit Baltimore. It is suggested that it is likely that the entertainment may take the form of a steamboat excursion on the waters of the Chesapeake, with opportunities for visitors to enjoy the edible products of that noble inland sea, whose fame is known of all men. Some of these will be in the height of their season at the date of the convention, and the club doubtless will offer a typical Baltimore welcome to its visitors.

Boston.

MARKET QUIET.

The market has taken another slump after two weeks of brisk trade. During the past week the price of all staple flowers has gone off to a marked extent from those of last week. The warm weather has advanced flowers faster than they could be disposed of. This applies in particular to single violets, which have been advanced so quickly that they will be out of the market in another week or two. Roses are very plentiful, selling as low as 2 cents apiece, and the supply of carnations is also excessive and they are going at \$1 to \$3 per 100. Bulb stock has held its own in both price and ease of selling through all the ups and downs of the market the past two months. Both markets report the past week as having been very quiet in all lines.

NOTES.

N. F. McCarthy & Company will commence their annual spring auctions the first of this month. They will be held every Tuesday and Friday.

Mann Brothers have been bringing to the Boston Flower market some especially good pots of lilacs and rhododendrons.

Galvin's Tremont street store has had an especially attractive window display of gardenias the past week.

The Rosary, of Bromfield street, reports an especially good trade in the different varieties of bulbous plants.

H. P. S.

Lenox, Mass.

The Lenox Horticultural Society has issued its schedules for its annual exhibitions this year. On June 22 cut flowers, roses, perennials, plants, fruit and early vegetables will be shown; the second exhibition will be on August 24, and the date of the chrysanthemum show is not set. The society has thirty-one life and ninety-three annual members.

SUMMER FLOWERING BULBS

TUBEROSES.

Dwarf Pearl, first-class, strong bulbs, per 100, \$1.00; per 1000, \$8.00.
Dwarf Pearl, medium size, per 100, 60c; per 1000, \$4.50.

GLADIOLUS.

All strictly first size bulbs. Per 100 1000
Augusta, pure white, blue anthers.... \$3.00 \$26.00
Brenchleyensis, intense scarlet.... 1.35 11.50
Ceres, pure white, spotted purplish rose 1.25 10.50
Mme. Moneret, delicate rose color.... 1.50 12.50
May, pure white, flaked rosy crimson.. 1.50 12.50

Vaughan's XXX Florist Mixture.

This mixture is made up from named white and light varieties and mixtures of light colors only. Per 100, \$1.75; per 1000, \$15.00.

VAUGHAN'S SEED STORE,
 CHICAGO. NEW YORK.

Seed Bags FOR THE TRADE

We manufacture a full line in Manila, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

— THE —

Brown Bag Filling Machine Co.
 FITCHBURG, MASS.

Alfred J. Brown Seed Co.

— GROWERS OF —

GARDEN PEAS and BEANS

For the Wholesale Trade.

Grand Rapids, Mich.

SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
 CLARINDA, IOWA.

THE HORTICULTURAL TRADE JOURNAL.

The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also

THE INTERNATIONAL HORTICULTURAL TRADE JOURNAL.

Published quarterly. Both mailed post free for one year for One Dollar.

— PUBLISHERS: —

THE HORTICULTURAL PRINTING COMPANY,
 BURNLEY, ENGLAND.

Indispensable and Refreshing.

AMERICAN FLORIST Co.—Please find enclosed \$1 for the **AMERICAN FLORIST** for another year. It reminds me of the old-fashioned New England Saturday night bath, quite indispensable and very refreshing to the receiver each week.
 C. W. SIBLEY.

BERMUDA Harrisii Bulbs

THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. * * *

CHAS. A. V. FRITH,
 HAMILTON, BERMUDA.

CARL BECK & CO.

SEED MERCHANTS AND SEED GROWERS.

QUEDLINBURG, (Germany.)

**Mangel Wurzel and Sugar Beet Seeds
A SPECIALTY.**



We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND.

— Telegram Address: SAMENEXPORT, Quedlinburg. —

Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of **HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEONIAS**, Etc., Etc. We further ask your attention to our superior quality and special prices of **FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR.**, ETC. Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Maltus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

LEONARD SEED

Write for Prices.

WE ARE

HEADQUARTERS

FOR

Flower Seeds
and
Bulbs

ONION SETS.

WHOLESALE SEED GROWERS

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. **Beans, Peas and Garden Seeds.** WRITE FOR PRICES.

CO. CHICAGO.

New Dahlias of Proved Merit.

Embracing a complete set of 12 New Century Dahlias; 25 New Cactus Dahlias; New Collerette Dahlias; New Giant-Flowered Dahlias; New Fancy Dahlias; New Decorative Dahlias; New Show Dahlias; New Single Dahlias. In all, 38 of the most wonderful Single Dahlias ever produced, and 44 of the grandest Double Dahlias.

All exquisite in form, shape and coloring; free bloomers and Money Makers. Faithfully and truthfully described in our new illustrated descriptive catalogue, mailed free upon request.

L. K. PEACOCK, Inc.,

Atco, N. J.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June 14-16, 1905.

PIGGOTT, ARK.—A horticultural society has been organized, and the members will plant 28,000 Elberta peach trees at once.

LA PORTE, IND.—H. W. Henry is building a new packing house 24 x 40 feet, two stories high for handling nursery stock.

"RASPBERRIES" is the title of Farmers' Bulletin No. 213, by L. C. Corbett, just issued by the Department of Agriculture.

WAKEFIELD, MASS.—The park commissioners have organized with G. H. Maddock, chairman, and Eugene S. Hinckley, secretary.

FREMONT, MICH.—The Michigan State Horticultural Society numbered 300 members at the spring meeting, March 22. A. C. Bird, state food commissioner, delivered an address on "The Relation of the Food Commission to the Fruit Grower."

MILWAUKEE, WIS.—A bill has been introduced in the legislature authorizing the appointment of a shade tree commission in this city, giving it authority over all trees on avenues, streets and villages, excepting those under supervision of the park board, with power to plant, transplant, remove, trim, spray, etc., with an annual appropriation of \$5,000 to \$8,000.

600,000 Roses

2-inch poles, \$25.00 per 1000.

Dorothy Perkins	Empress of China
Evergreen Gem	Etoile de Lyon
Gardenia	Golden Gate
Mme. F. Kruger	Per 1000
Clothilde Soupert	.....\$30.00
Mme. Cochet, pink and white	.....30.00
Hybrid Perpetuals, very fine	.....35.00
Climbing and Trailing Roses	.....25.00

For Varieties, See Wholesale List.

The ELIZABETH NURSERY CO.

Elizabeth, N. J.

Please mention the American Florist when writing.

NOTICE.

W. van Kleef & Sons

Wholesale Growers of Nursery Stock.
BOSKOOP, HOLLAND.

Beg to announce that their representative, W. van Kleef, Jr., is again in America calling on the trade. All correspondence during April and May, care Maltus & Ware, 135 Water St., New York.

Please mention the American Florist when writing.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 8 to 4 feet, selected, \$4.00 per 100; \$25.00 per 1000. 2½ to 3½ feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 30 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

Please mention the American Florist when writing.

ROSE PLANTS OWN ROOTS

All propagated from wood taken from plants growing in the field. Have not been forced. Are out of doors, with no protection whatever. Safe to ship anywhere without soil on roots. Try them and see if they do not beat forced stock grown from forced wood. We have over 100,000 yet to sell, and to clean them up quickly, following prices will apply so long as stock lasts.

Cash, please, or satisfactory references.

Prices and Varieties.	Per 100	Per 1000
Agrippina	.....\$1.50	
Bride	.....2.00	
Capt. Christy	.....3.00	
Cecil Brunner	.....2.03	\$18.00
Cloth of Gold (chromatella)	.....2.00	
Cherokee (single)	.....1.50	12.00
Cheshunt Hybrid	.....2.00	
Clara Watson	.....2.50	20.00
Clio	.....2.50	20.00
Climbing Cecil Brunner	.....2.50	20.00
Climbing Clothilde Soupert	.....1.50	
Climbing Devonensis	.....2.00	
Climbing Kaiserin	.....2.00	18.00
Climbing Meteor	.....2.00	
Crimson Rambler	.....1.50	14.00
Dorothea Perkins	.....2.00	18.00
Francisca Kluger	.....2.00	
Gen. Jacqueminot	.....2.75	25.00
Gloire de Margottin	.....2.50	20.00
Grass an Teplitz	.....1.75	15.00
Helen Gould	.....2.50	20.00
Kaiserin	.....2.00	18.00
Lamarque	.....2.00	18.00
Mme. Abel Chateau	.....3.50	
Mme. Alf. Carriere	.....2.00	
Mme. Wagram	.....2.00	
Magna Charta	.....3.00	
Maman Cochet	.....2.00	14.00
Marechal Niel	.....2.50	22.50
M. P. Wilder	.....3.00	25.00
Meteor	.....2.00	15.00
Muriel Graham	.....2.00	18.00
Paul Neyron	.....3.00	
Reine Olga Wurtemberg	.....1.50	
President Carnot	.....3.00	
Ulrich Brunner	.....2.75	25.00
White Bankia	.....1.50	12.00
White Maman Cochet	.....2.00	15.00
Winnie Davis	.....3.00	25.00

Lively, please, if you can use, or the other fellow will get them.

CALIFORNIA ROSE CO., Los Angeles, Cal.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted for growing this line as Anemone, Aster, Campanula, Delphinium, Funkia Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata, and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (especially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscapes Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

PIN OAKS

MAGNIFICENT STOCK. LOW PRICES.

—Send for Spring List.—

ANDORRA NURSERIES,

WM. WARNER HARPER, Prop.

CHESTNUT HILL, - PA.

YOUR NEXT



SHADE AND ORNAMENTAL TREES.

	¾ to 1-in.	1-in.	1½-in.	2-in.	3-in.
Carolina Car, Poplar	8c	10c	16c	30c	40c
Soft Maple, 1st class	7c	9c	12c	20c	35c
Elm, America's, 1st class	10c	14c	20c	30c	
Box Elder	12c	14c	18c		
Catalpa Speciosa	12c	14c	20c		

SHRUBS, ETC.

	2 feet	3 to 4 ft.
Syringa, Garland	500 5c	600 8c
Spiraea, Bullardii	500 5c	700 9c
" Van Houttei	600 6c	1000 12c
Lilac, purple	400 5c	400 8c
Barberry, purple	600 3c	700 5c
Fringe, purple	450 5c	400 8c
Hydrangea, P. G.	600	800 10c
Althea, assorted		1000 7c
Yucca		400 4c

PEACH TREES (24 Best).

First class, 5 to 7 feet	4½c
Medium, 4 to 6 feet	4c
Light, 3 feet	3½c
Blackberry, 6 varieties, first-class, root-cutting plants	1c
Currant, 7 varieties, first-class, 2-year plants	30c
Shrubs, 15 sorts, 2 feet	6½c
Shrubs, leading sorts, 3 to 4 feet	8c

5 Through Trunk R.R. Lines from Springfield, Ill.

Free boxing for cash before shipment, and at cost if payment by May 15. Certificate from Entomologist on each payment. Can ship quick.

Yours sincerely,

SPAULDING N. & O. CO.,
Near Springfield. SPAULDING, ILL.

Hardy Roses

Fine 2-year field-grown Gen. Jacqueminot, Magna Charta, La France, Crimson Rambler, etc., first size, 12c; second size, 7c; Crimson Rambler XXX, 20c; large flowered Clematis, finest purple, lavender, white and red sorts, 2-year, 18c; 1-year, 9c; extra 3-year, 30c. Clematis Panicle, 2-year, strong, 10c. Ampelopsis Veitchi, 10c. American Ivy, 8c; Honeysuckle, Hall's, etc., 8c; Hydrangea, P. G., 1c; splendid tree shaped specimens, 30c. Golden Glow, strong roots, 4c. Hardy Phlox, finest named sorts, 8c. Peonies, finest varieties, 12c; Iris, finest Japanese and German, 10c; Hardy Shrubs, in the leading varieties, Altheas, 10c; Barberry, Purple Leaved, etc., 10c; Deutzias, 10c; Japan Quince, 8c; Spiraeas, 10c; Weigelia, etc., 10c.

Everything offered is strong, 2-year, field-grown, unless otherwise noted. Fruit and ornamental trees, etc., priced on application. Packing free for cash.

W. H. SALTER, ROCHESTER, N. Y.

Send to

THE MOON Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.
Morrisville, Pa.

Please mention the American Florist when writing.

Bulbs and Plants.

AUGUST RÖLKER & SONS, 31 Barclay St., NEW YORK, P. O. Box 752

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE AMERICAN FLORIST.

700,000 Cal. Privet

	Per 100	1000
3 yrs., 2½ to 3 ft., extra heavy.....	\$3.25	\$38.00
3 yrs., 2 to 2½ ft., well branched.....	2.50	23.00
3 yrs., 18 to 24 in., ".....	2.00	15.00
3 yrs., 12 to 18 in., 4 to 8 branches.....	1.50	10.00
2 yrs., 3½ to 4 ft., very heavy.....	3.00	25.00
2 yrs., 2½ to 3 ft., well branched.....	2.25	18.00
2 yrs., 2 to 2½ ft., ".....	2.00	15.00
2 yrs., 2 to 2½ ft., 3 to 6 branches.....	1.50	10.00
2 yrs., 18 to 24 in., 5 to 8 ".....	1.50	10.00
1 yr., 14 to 20 in., 2 to 4 ".....	1.25	7.00
1 yr., 10 to 14 in., 1 to 2 ".....	1.00	5.00
Cuttings, strong.....	.75	
Tree form, 3 yrs., heads 4 to 5 feet.....	25c	each

All the above plants have been transplanted and out back except one year, which makes them a clean, good stock. Parties wanting 5,000 or over, will write and get better rates.

River View Nurseries

J. H. O'HAGAN.

LITTLE SILVER, N. J.

Please mention the American Florist when writing.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

ELLWANGER & BARRY

Mt. Hope Nurseries, Rochester, N. Y.
Drawer 1044 Y Established 65 Years.

Please mention the American Florist when writing.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$5.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,

ROCHESTER, N. Y.

Please mention the American Florist when writing.

Coreopsis Grandiflora

LONG STEMS.

Blooms as large as Cosmos. A most beautiful yellow. One year old. Out-door grown. Blooming size. \$2.00 per 100; \$15.00 per 1000.

ORDER NOW.

Martin Kohankie

PAINESVILLE, OHIO.

C. FRETS & SONS,

Successors to P. Kosler & Sons.

Nurseries: BOSKOOP, HOLLAND.

Rhododendrons, Azaleas, Magnolias, Lilacs, pot-grown, Hardy Evergreens, Etc.

Catalogue 1905-1906 Free on Application.

Please mention the American Florist when writing.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR SPRING SALES

	Doz.	100
GRUSS and TEPLITZ, strong, 2-year old.....	\$2.00	\$15.00
MAMAN COCHET, strong, 2-year old.....	2.00	15.00
HERMOSA, strong, 2-year old.....	2.25	16.00
CLOTHILDE SOUPERT, strong field plants.....	1.50	10.00
AMERICAN BEAUTY, own roots.....	1.50	10.00
KAISERIN AUG. VICTORIA.....	2.50	20.00
PAUL NEYRON, budded.....	2.50	20.00
LA FRANCE, budded.....	2.00	15.00
MME. PLANTIER, own roots.....	1.50	10.00
TREE ROSES, H. P. sorts.....	5.00	40.00
"Crimson Rambler.....	6.00	50.00
CRIMSON RAMBLERS, strong, 2-year old No. 1.....	2.00	15.00
2-year old, No. 2.....	1.50	10.00
Strong, 3-year old, No. 1.....	2.50	18.00
DOROTHY PERKINS, strong, 2-year old.....	2.50	20.00
H. P. ROSES, grafted 2-year-old, dormant, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, Mme. Gabriel Luizet, Magna Charta Mrs. John Laing, Ulrich Brunner, etc., all at.....	1.50	11.00

FLOWERING SHRUBS.

AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4.00	30.00
HYDRANGEA paniculata grandiflora, bushy field-grown, 2½ to 3 feet.....	1.50	11.50	
Bushy field-grown, 12 to 18 inches.....	1.00	8.00	
Standard hydrangeas, bushy tops 3 feet.....			100
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	.15	\$1.50	\$12.00
field-grown 3 to 4 ft., strong and bushy.....	3.50	25.00	
DEUTZIA LEMOINET, pot-grown for 7-inch pots.....	.40	3.50	25.00

	Doz.	100
CLEMATIS JACKMANI, 2-year-old.....	\$3.50	\$20.00
CLEMATIS JACKMANI, 3-year-old.....	4.50	35.00
CLEMATIS JACKMANI, in ast'd kinds, 3-year-old.....	3.50	25.00
AMPELOPSIS VEITCHI, 3 to 4 ft., heavy.....	2.00	16.00
AMPELOPSIS VEITCHI, 2 to 3 ft., heavy.....	1.75	14.00
ARISTOLOCHIA SIPHO, 3 to 4 ft., heavy.....	3.50	

BOX TREES (Buxus Sempervirens).

New importation, just arrived in fine condition.

Standard or Tree Shaped, stems about 2½ feet, crowns 2 feet in diameter, each \$4.00

Bush Shaped, very fine bushy plants.

18 to 20 inches high, each..... 1.00

2½ feet high, each..... 3.00

3½ feet high, each..... 4.00

Pyramidal Shaped, fine shapely trees,

3 feet high, each..... 2.50

3½ feet high, each..... 3.00

4 feet high, each..... 4.00

PAEONIAS. In case late.

We have this year secured a fine lot of Paeonia Chinensis in fancy named sorts, suitable for Florists' use, all young roots, one year from divisions and with three to five eyes. These cases contain 67 double white, 66 double pick, 67 double red, each sort named. 200 roots in all. We offer them at the low price of \$20.00 per case, or 3 cases for \$55.00. We cannot break cases at these prices.

In Separate Colors. Strong roots, averaging 3 to 5 eyes.

Double red and crimson..... \$1.50 \$12.00

Double white..... 1.50 12.00

Double pick..... 1.25 10.00

Double, all colors mixed..... 1.00 8.00

DIELYTRA SPECTABILIS..... 1.00 7.00

SHASTA DAISY, 3-inch pots..... .75 6.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.

Special Evergreen Offer.

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1st grade, 6 to 8 inches, once transplanted, \$3.00 per 100; \$25.00 per 1000; \$115.00 per 5,000; \$200.00 per 10,000.

ALSO THE FOLLOWING:

	Per 100	Per 1000
BUXUS ARBorea, 2 years, 6 to 8 inches.....	\$2.00	\$18.00
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.....	1.50	12.50
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.....	3.00	25.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.....	4.00	35.00
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years.....	4.00	35.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.....	5.00	
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.....	3.00	
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine.....	10.00	
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.....	15.00	

JOSEPH W. VESTAL & SON,

Little Rock, Ark.



RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

BAY STATE NURSERIES,

North Abington, Mass.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

Let New Yorkers Line Up.

A flippant Philadelphia dispatch to The New York Herald yesterday read as follows:

Mrs. Anne Weightman Walker has added \$2 to her fortune of \$60,000,000 for winning prizes for the best beans, primroses and mushrooms displayed at the annual meeting of the Pennsylvania Horticultural Society, in Horticultural hall yesterday.

J. Vaughn Merrick, a millionaire, likewise won \$1 for cultivating to perfection the modern primrose.

Had Mrs. Walker or Mr. Merrick sought notoriety by some of the expedients with which fashionable fools get rid of their money there would have been no invidious mention made of it. But give us still the growers of the best beans, primroses and mushrooms. They will, at least, have added something to the store of common benefit and beauty for which their fellows are their debtors. —Philadelphia Record.

At Philadelphia.

There has not been much about the boys of the Quaker City in these columns lately. Still they are all alive and while not saying much are busy sawing wood. If that New York gentleman would like to have a go with us he will find our latch string out and good cheer inside. He can have everything we have but the game and of course that might also come his way, but we doubt it. Some great scores were put up on the alleys last week. The veteran Wm. K. Harris, put up 235 and 205 together; John Westcott made 239, high for the year. John Burton also made 205 and there are many other high games. In an inter-club league of four of the leading clubs of the city a team from the club is leading with a good margin to its credit and it looks as if there will soon be another silver cup for the case. The following are the averages of all games bowled for March:

Player.	
Robertson	170
Moss	169
Connor	164
Talck	162
Westcott	161
Gibson	160
Gardner	160
Andersson	160
Harris	158

Player.	
Kift	157
Starkey	157
Burton	151
Watson	148
Craig	141
Baker	139
Smith	122
Campbell	121

K.

At Denver.

The Florists' League is keeping busy as the following scores will show. The teams are evenly matched and the rolling of Messrs. Mauff, Berry, Kennedy and Scott at the last meeting was noteworthy. The scores follow:

TEAM NO. 1.			
Player.	1st	2d	3d
Brenkert	154	139	166
Reynolds	161	122	128
Valentine	153	160	122
Benson	149	188	168

Totals 617 609 578

TEAM NO. 4.			
Player.	1st	2d	3d
Cooper	118	147	124
C. Benson	153	141	127
C. Mauff	204	163	168
Glauber	178	134	196

Totals 653 585 615

TEAM NO. 3.			
Player.	1st	2d	3d
Mahen	176	130	120
Berry	205	156	162
Kurth	172	146	160
Zimmerman	159	183	151

Totals 712 615 593

TEAM NO. 2.			
Player.	1st	2d	3d
Frazer	134	134	181
Kennedy	156	148	204
Scott	147	204	134
Blind	164	195	141

Totals 601 681 660

Cincinnati.

The warm weather of the past week had a tendency to send stock along with a rush and the commission houses had a surplus of stock the like of which has not been seen for many days. Carnations seemed to be the biggest glut but Will Murphy says that there will be a let-up within ten days and as Will is in a position to know we trust that his predictions will come true. Of course there were flowers of all kinds and the returns to those who use the commission houses for their outlet will not be very encouraging this week.

The flower market on market days is a mass of fine plants and cut flowers but business is not very brisk according to the statements of some of the stand holders. How very different it is

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 48th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

CANNA

WEST VIRGINIA.

Best of the Crozy Type. Gold Medal at St. Louis. Started plants now ready, \$5.00 per 100. Stock limited.

GUS. OBERMEYER,

Box 219, PARKERSBURG, W. VA.

Please mention the American Florist when writing.

in the different seed houses. At J. M. McCullough's Sons Company's an increased force of employees is working day and night to get out the orders and all hands are as busy as bees.

Elias Critchell, Robert Ruth, Wm. Gardner, Joe Spunk, George Magrie and Arthur Becker constituted a party that made a trip to New Castle to visit some of the rose growers last Thursday. They reported a good time and everything bright for a big cut of roses from the rose city for Easter.

If the present warm weather continues there will not be many bulbous flowers for Easter, as the majority of bulbs planted in the open ground are in bloom. However, George & Allan, the largest bulb growers of this section, say they will have a nice lot of stock.

A visit to Rosebank Company's greenhouses last week found everything looking well, with prospects of a good cut for Easter.

Sidney Wertheimer, of New York, was a visitor this week.

A. O.

CHRYSANTHEMUMS

April Bargains in
ROOTED CUTTINGS.

A FEW OF OUR LEADERS:

Wm. Duckham, Ben Wells, Mrs. Thirkell, \$2.00; F. A. Cobbold, Leila Filkins, \$3.00; Dr. Enguehard, \$1.00 per 100.

Asparagus Sprengeri, strong 2½ and 3¼-in. \$1.75 per 100; \$15.00 per 1000.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

Chrysanthemum Novelties

Meretham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz.

Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

Please mention the American Florist when writing.

Orchids!



Just at hand, in superb condition, our first shipment of **CATTLEYA LABIATA**. Write for prices.

We also recommend our large stock of well-grown, established **ORCHIDS**. Write for catalogue.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

Agent, A. DIMMOCK, 31 Barclay St., NEW YORK CITY

Please mention the American Florist when writing.

Stanley & Co.

SOUTHGATE, ENGLAND.

Callielya labialia autumnalis, magnificent; leafy dormant, plump and clean plants now arriving. **WRITE.**

Please mention the American Florist when writing.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

Our Special Spring Number

TO BE ISSUED

APRIL 15, 1905.

Best Easter AND Spring Business

SECURED BY ADVERTISING IN

The American Florist.

NO WASTE, NO FICTITIOUS INQUIRIES.

LOOK AT THE RATES.

Advertisements in body pages will be taken at our ordinary rates, namely, \$1.00 per inch, \$30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is \$30.00 per page on yearly contract. Advertisements on second, third and fourth Special Cover Pages printed on heavy toned paper, \$35.00 per page, net.

THE BUYERS READ THAT PAPER WHICH IS BEST WORTH READING.

WHAT THEY SAY:

WORTH HUNDREDS OF DOLLARS.

AMERICAN FLORIST Co.:—The "Carnation Number" is certainly worth hundreds of dollars to carnation growers.

C. D. ZIMMERMAN.
Buffalo, N. Y., January 31, 1905.

SPLENDID ADVERTISING RESULTS.

AMERICAN FLORIST Co.:—Kindly change our advertisement to read as per enclosed copy. We have had splendid results from our advertising in your paper and have turned down several large orders. We note the call is for the best quality of stock.

W. C. HILL FLORAL CO.
Streator, Ill.

SELLS STOCK OUT CLEAN.

AMERICAN FLORIST Co.:—Please discontinue my advertisement for a short time in the AMERICAN FLORIST. The 1-inch advertisement in your paper has sold about 45,000 Cansas for me within the last 3 or 4 weeks. We are now sold out. Whenever I have a surplus I will surely make it known through your paper.

March 14, 1905.

W. W. COLES.

The announcement of every regular advertiser appears in Ready Reference Advertising Department.

AMERICAN FLORIST CO.,

324 Dearborn Street,

CHICAGO.

**PLEASE MAIL YOUR
ADVERTISEMENT NOW.**

The King of All Scarlet Carnations

ROBERT CRAIG (Ward)

Will Not Be Disseminated Till 1906. : : :
First Delivery Commencing December 1, 1905.

THE IDEAL CHRISTMAS CARNATION.

A Genuine Non-Bursting Scarlet Lawson.
JUST THE COLOR OF THE HOLLY BERRY.

Send your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspection variety does not prove satisfactory. PRICES: \$2.50 per doz.; \$12 per 100; \$100 per 1000; 2,500 lots at \$95 per 1000; 5,000 lots at \$90 per 1000; 10,000 lots or more at \$80 per 1000.

C. W. WARD, COTTAGE GARDENS CO. Inc., Queens, N. Y.
Originator.

Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE.
American Carnation Society, 92 points.
SPECIAL DIPLOMA.
American Institute of New York.
FIRST-CLASS CERTIFICATE OF MERIT.
Massachusetts Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
Pennsylvania Horticultural Society.
FIRST-CLASS CERTIFICATE OF MERIT.
New York Florists' Club, 93 points.
CRAIG CUP for best undisseminated seedling.
Philadelphia.
C. HARTMAN KUHN SPECIAL PRIZE
for best undisseminated seedling. Philadelphia.
FIRST PRIZE best 100 scarlet. Chicago.
FIRST PRIZE best 50 scarlet seedling. Chicago.

My Maryland

Was the Sensation of the Chicago
Exhibition. Easily Out Ranks any
Other White. : : : : :

Awarded first-class Certificate of Merit by the
American Carnation Society. Lawson Brouze
Medal for 100 blooms and S. A. F. Bronze Medal
for 50 blooms. We predict that this variety will
easily displace any other white.

We are booking orders now for delivery January
1906. Price, \$2.50 per dozen; \$12.00 per 100;
\$100.00 per 1000. Write us for other new and
standard varieties.

H. WEBER & SONS, Oakland, Md.

CARNATION CUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

	Per 100	Per 1000
NELSON FISHER.....	\$6.00	\$50.00
MRS. M. A. PATTEN.....	6.00	50.00
FLAMINGO.....	6.00	50.00
CRUSADER.....	5.00	40.00
D. WHITNEY.....	5.00	40.00
ENCHANTRESS.....	3.00	25.00
MANLEY.....	3.00	25.00
H. FENN.....	2.50	20.00
FAIR MAID.....	2.50	20.00
QUEEN.....	2.50	20.00

Same varieties from pots 50c more per 100.

BACKER & CO., Billerica, Mass.

Palmer's
RED LAWSON

IS THE
RED YOU
OUGHT
TO
GROW.

Delivery
at once. \$10.00.....per 100
40.00.....per 500
75.00.....per 1000

W. J. Palmer & Son,
LANCASTER, N. Y.

Rooted Cuttings.

PREPAID, per 100. Ageratum, S. Gurney, 50c.
Alternantheras, best red and yellow, 50c; \$1.00
per 1000. Coleus, best bedders, 60c. Fuchsias,
Trophee and other good sorts, \$1.00. Salvias,
Splendens, Bonfire, 90c. Heliotrope, blue, \$1.00.
Petunias, 10 best sorts, \$1.00. Alternanthera, best
red, fine, 2-inch, 2 cts. Cash.

BYER FLORAL CO., Shippensburg, Pa.

**AMERICAN
FLORIST
ADS**

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

Carnations

**Rooted Cuttings
Ready Now** except as
noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to
date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper.
\$12.00 per 100; \$100 per 1000. Strong plants from soil.

Chicago White. Rudd's New White. Very productive. Sells well in
Chicago market where it is well known and liked.
\$12.00 per 100; \$100 per 1000. Strong plants from soil.

Robert Craig. Grand Scarlet. Orders booked now for delivery January,
1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs.
Lawson well should grow this for white. \$7.00 per 100;
\$60.00 per 1000. Strong plants from soil.

	Per 100	1000		Per 100	1000
Cardinal, new scarlet.....	\$12.00	\$100.00	Mrs. Patten, variegated.....	\$6.00	\$50.00
Crisis, new scarlet.....	12.00	100.00	Prosperity, fancy.....	3.00	25.00
Crusader, red.....	5.00	40.00	Queen Louise, white.....	1.75	15.00
Dahelm, crimson.....	6.00	50.00	Red Lawson, new red.....	10.00	75.00
Dorothy Whitney, yellow.....	5.00	40.00	Richmond Gem, new scarlet.....	10.00	75.00
Eclipse, Dorner's pink.....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	Vesper, white.....	5.00	40.00
Geoeveve Lord, light pink.....	1.75	15.00	Variegated Lawson, variegated.....	12.00	100.00
Iodanapolis, pink.....	5.00	40.00	White Cloud, white.....	1.75	15.00
Mrs. Lawson, pink.....	3.00	25.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

CARNATIONS and CHRYSANTHEMUMS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Lady Bountiful.....	\$ 6.00	\$ 50.00	Euchantress.....	\$ 3.00	\$ 25.00
White Lawson.....	6.00	50.00	Mrs. Lawson.....	2.00	15.00
Moonlight.....	4.00	30.00	Marshall Field.....	3.00	25.00
Crusader.....	5.00	40.00	Prosperity.....	2.00	15.00
Cardinal.....	12.00	100.00	Lieut. Peary.....	12.00	100.00
Harlowarden.....	2.00	15.00			

CHRYSANTHEMUMS.

	Per 100	Per 1000		Per 100	Per 1000
Maj. Bonaffon, yellow.....	\$2.00	\$15.00	M. Liger, pink.....	2.00	15.00
Robinson, white.....	2.00	15.00	Wm. Duckham, pink.....	3.00	25.00
Glory of Pacific, pink.....	2.00	15.00	Same varieties from 2 1/4-inch pots, \$1.00 per 100 extra.		
Estelle, white.....	3.00	25.00			

Chicago Carnation Co.

JOLIET, ILLINOIS.

Please mention the American Florist when writing.

JOHN E. HAINES

NEW SCARLET CARNATION

The most popular variety to be introduced 1906. This variety has been exhibited at nearly every flower show the past two seasons and has won its way to the hearts of the judges and growers every time. * * *

After a thorough examination of the growing and blooming qualities of the variety, the Chicago Carnation Co. have acquired a half interest in it and will disseminate same in conjunction with Mr. Haines, commencing December 1st, 1905. * *

The JOHN E. HAINES has the color, stem, calyx, form, size and blooming qualities that go to make up a king among present day carnations. * * *

Orders filled in rotation at the popular prices of \$12.00 per 100; \$100.00 per 1000. Special prices on large quantities.

INTRODUCERS: { CHICAGO CARNATION CO., Joliet, Ill.
JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

Carnations ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise, Peru.....	1.00	9.00
RED.	Per 100	Per 1000
Estelle.....	2.50	20.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. ROOTED CUTTINGS.

	Per 100	Per 1000
Chatenay.....	\$2.50	\$20.00
Uncle John.....	2.50	20.00

	Per 100	Per 1000
Bridesmaid.....	\$1.50	\$12.50
Bride.....	1.50	12.50

	Per 100	Per 1000
Ivory.....	\$1.50	\$12.50
Perle.....	1.50	12.50

ROSES. 2 1/2-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
Chatenay, Sunrise.....	4.00	30.00
Perle von Godesberg.....	5.00	40.00
Liberty.....	5.00	45.00

	Per 100	Per 1000
American Beauty.....	\$ 6.00	\$50.00
La Detroit.....	6.00	50.00
Uncle John, Kaiserin.....	4.00	35.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory, Perle.....	3.00	25.00

AM. BEAUTY BENCH PLANTS, per 100.....\$6.00; per 1000.....\$50.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

WHITE LAWSON which we introduced last season has given great satisfaction, and has proved to be The Finest White Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be filled strictly in rotation as received, so the earlier orders are booked the earlier deliveries can be made. We can supply First-class strong rooted cuttings, \$7 per 100; \$60 per 1000. Also the other novelties of the season—Fiancee, Cardinal, Fred Burki, etc. Also the cream of older sorts—Mrs. M. A. Patton, Daheim, Enchantress, Flamingo, Mrs. Thos. W. Lawson, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Geraniums

	Per 100
10 varieties, fine plants, 2 1/4-in. pots.....	\$3.00
10 varieties, fine plants, 3 1/4-in. pots.....	4.00
Alternantheras, red and yellow.....	2.00
Asp. Plumosus Nanus, 2 1/4-in. pots.....	2.00
Asp. Sprengeri, 2 1/4-in. pots.....	2.00
Pansy Plants, large.....	1.25
Vinoza Vine, Var.....	2.50
CASH or C. O. D.	

COLEUS....

	Per 100
12 varieties, 2 1/4-inch pots.....	\$2.00
Petunias, double.....	3.00
" seedlings.....	2.50
Centaurea Gymnocarpa.....	2.00
Primroses, Chinese, Obconica and Forbeai	
July 1.....	2.00
Cannaes, 10 varieties, 4-in. pots.....	5.00

JOS. H. CUNNINGHAM, Delaware, Ohio.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted
and Taken From Selected Stock
CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

Please mention the American Florist when writing.

Red Sport

CARNATION.

The great "Bread and Butter" holly berry red. Early and continuous, sure crop for Christmas. Never splits; strong healthy grower, 2½ to 3-inch flower on long wiry stem that well supports the bloom, an easy doer and an all-around money maker. 'Nough said. Prices for immediate delivery, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, all postpaid. \$8.00 per 100; \$50.00 per 1000.

QUEEN LOUISE, the standard white, strong healthy well-rooted, \$1.25 per 100, postpaid; \$10.00 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, PURCELLVILLE, VA.
CARNATION SPECIALISTS.

Please mention the American Florist when writing.

ORDER OF

GEO. A. KUHL,
PEKIN, ILL.

	2-in.	3-in.
Vincas	\$3.50	\$5.00
Ageratum	2.50	
Petunias, double.....	2.60	5.00
Sweet Alyssum.....	2.50	
Fuchsia.....	4.00	
Cuphea.....	2.50	
Salvias.....	2.50	5.00
Coleus.....	2.50	
Santolina.....	2.50	
Cannas.....		5.00
Feverfew.....	2.50	5.00
Marguerites.....	3.50	7.50
Nasturtiums.....	2.50	
Rose Geraniums.....	3.50	6.00
Mme. Sallerol.....	3.00	6.00
Centaurea.....		6.00

It is a good business policy
to mention the

American Florist

.....when writing to an advertiser.

LIKE FINDING MONEY

are the prices we will quote on large lots of the following roses :

STRONG, FIELD-GROWN PLANTS, ON OWN ROOTS

**CRIMSON RAMBLER
DOROTHY PERKINS
LA FRANCE**

Price for Moderate
Quantities

(and not less than 25 of a kind)

\$9.00 per 100

If You Can Use 500 or More of Any One Kind, get our special prices. They will surprise you. We are over-stocked with these kinds and the first comers get the benefit. They are fine stock.

Send for our complete price list. There are other bargains in it. Use printed stationery. We send it only to the trade.

JACKSON & PERKINS CO. NEWARK,
N. Y.

EARLY STRUCK PLANTS

OF EARLY 'MUMS

Ivory, Opah,
Lady Fitzwygram, Pully Rose,
Mme. Bergman, Glory of Pacific,
Monrovia, Wm. Simpson.
Omega,

\$2.50 Per 100

For complete list of new and old varieties
send for Catalogue.

CARNATIONS. Sturdy Little Pot Plants From Best Cuttings.

Per 100	Per 100	Per 100
Boston Market.....\$2.50	The Queen.....\$3.00	Mrs. Joost.....\$2.50
Gov. Wolcott.....3.00	Geo. H. Crane.....2.50	Morning Glory.....2.50
Indianapolis.....4.00	Glacier.....2.50	President McKinley.....2.50
Mrs. E.A. Nelson.....2.50	Lorna.....2.50	White Lawson.....7.00
Mrs. Lawson.....2.50	Floriana.....2.50	Cardinal.....12.00

Send for prices on large lots.

Per 100	SMALL PALMS from 2½-inch pots. Per 100
Dracaena Indivisa, 2½-inch.....\$3.00	Kentia Belmoreana.....\$6.00
3-inch.....4.00	Areca Lutescens.....4.00
Boston Fern, 2½-inch.....3.00	Latanta Borbonica.....3.00
Assorted Ferns for Dishes.....3.00	Cocos Weddelliana.....8.00

The STORRS & HARRISON Co. PAINESVILLE,
OHIO.

200,000 CARNATIONS

CLEAN, HEALTHY STOCK.

Queen Louise.....\$1.00 \$10.00	Pers. McKinley.....\$1.40 \$12.50
Flora Hill.....1.00 10.00	G. H. Crane.....1.00 10.00
Gov. Wolcott.....1.00 10.00	America.....1.00 10.00
Chicot.....1.20 10.00	Harlowarden.....1.40 12.50
Mrs. Thos. Lawson.....1.40 12.50	Prosperity.....1.40 12.50
Enchantress.....3.50 30.00	Armazindy.....1.00 10.00
Mrs. Joost.....1.00 10.00	Viola Allen.....1.20 11.00
Success.....1.00 10.00	Galety.....1.20 11.00

Special prices on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privilege of examining.

LOOMIS FLORAL COMPANY, Loomis, Cal.

ROSES.

Now is the time to place your orders and insure getting good stock for planting.

JOHN N. MAY,
Summit, New Jersey.

ROOTED CUTTINGS.

Fine, Clean, Healthy Stock. Satisfaction Guaranteed.

CARNATIONS.

RED	Per 100	Per 1000
CRUSADER.....	\$5.00	\$45.00
FLAMINGO.....	5.50	45.00
ESTELLE.....	2.50	20.00

PINK		
MRS. NELSON.....	1.50	12.50
MRS. LAWSON.....	1.50	12.50
GUARDIAN ANGEL.....	1.00	8.00
MRS. JOOST.....	1.00	8.00
GENEVIEVE LORD.....	1.00	8.00

LIGHT PINK		
ENCHANTRESS.....	3.50	30.00

WHITE		
BOSTON MARKET.....	2.50	20.00
PERU.....	1.00	9.00
WHITE CLOUD.....	1.00	9.00
QUEEN LOUISE.....	1.00	9.00
FLORA HILL.....	1.00	8.00

VARIEGATED		
M. A. PATTEN.....	5.50	45.00

ROSES.

2½-In. pot plants.	Per 100	Per 1000
BRIDESMAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00
CHATENAY.....	3.00	25.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

MacArthur Roses.

EXTRA FINE STOCK.

\$10.00 per 100; \$90.00 per 1000.

Chatenay Roses

EXTRA STRONG.

\$3.00 per 100; \$25.00 per 1000.

THE GASSER COMPANY,

Euclid Avenue, CLEVELAND, OHIO.

Don't Forget to Ask for Our

FERN LIST.

Shall be pleased to fill sample order and will guarantee satisfaction.

Geo. A. Kuhl

PEKIN, ILL.

Carnations

ROOTED CUTTINGS.

Send for price list of all the new and standard sorts.

Wm. Swayne, Box 226, Kennett Square, Phila.

Spring Number Next Week

SEND ADVERTISEMENT NOW.

WE ARE STILL BOOKING ORDERS FOR OWN ROOT PLANTS OF THE NEW ROSE.

Wellesley

We have a very fine lot in 2½ inch pots at \$25.00 per 100.

Having decided to increase our planting of

WELLESLEY

We have several thousand first-class grafted BRIDES and BRIDESMAIDS in 2½-inch pots, which we intended for our own use and which are now offered for sale at \$10.00 per 100.

— 1000 Rates on Application. —

WABAN ROSE CONSERVATORIES, NATICK, MASS.

JOHN N. MAY, - - - Summit, N. J.

Please mention the American Florist when writing.

VICTORY

To Be Disseminated 1906.

\$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

— PLACE YOUR ORDERS FOR ROOTED CUTTINGS. —

	Per 100	Per 1000		Per 100	Per 1000
WHITE LAWSON.....	\$6.00	\$60.00	HARRY FENN.....	\$2.00	\$20.00
NELSON FISHER.....	6.00	60.00	GOETHE, light pink.....	2.00	20.00
MRS. PATTEN.....	6.00	60.00	GENEVIEVE LORD.....	1.50	15.00
ENCHANTRESS.....	3.50	30.00	MANLEY.....	3.00	25.00
PROSPERITY.....	2.50	20.00	MACEO.....	1.50	15.00
THE BELLE.....	6.00	60.00	CERVERA, variegated.....	1.50	15.00
LADY BOUNTIFUL.....	6.00	60.00	LAWSON.....	2.00	15.00

— 5 per cent discount for cash with order. —

ALEX. J. GUTTMAN, 52 W. 29th St., New York City.

READY NOW

Gen. MacArthur.

THE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.

2½-inch Pot Plants, own roots.....\$10.00 per 100, \$80.00 per 1000
Strong Grafted Stock from 3-inch pots.....\$12.00 per 100

The STORRS & HARRISON CO.

PAINESVILLE, OHIO.

TRANSPLANTED VIOLET LAYERS,

Princess of Wales, \$1.50 per 100; \$10.00 per 1000.
Peonies in fine assortment. Distinct colors, named sorts, \$1.50 dozen; \$10.00 per 100; \$90.00 per 1000. *Clematis*, large flowered, red, white and purple, good two-year, home-grown, 25c; \$2.00 per doz.; \$15.00 per 100. *Paniculata*, strong, \$1.00 per doz.; \$8.00 per 100; 2½-In. pots, 75c per doz.; \$4.00 per 100.

F. A. BALLER, Bloomington, Ill.

Grand Rapids Violet Stock

Clumps from the bench of M. Louise. Imperial and Princess of Wales, \$5.00 per 100; \$10.00 per 1000; Rooted Cuttings, \$10.00 per 1000; Pots, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings of Campbell, \$5.00 per 1000.

GRABB & HUNTER, GRAND RAPIDS, MICH.

Please mention the American Florist to advertisers.

Omaha.

Business has been good right along and prices are firm both in cut flowers and plants. American Beauty roses are at their best as well as all the tea roses. Carnations are scarce and hard to get in this vicinity; it seems they are out of crop. Some fakirs sold a fine lot shipped in from Chicago for 25 cents per dozen, while the florists sell them for 50 to 75 cents per dozen. Potted plants sold well, especially azaleas. Easter lilies are showing up good and there will be no scarcity of them for Easter.

C. Ederer had a son recently and the cigars were good.

G. Swoboda and family will leave for Europe May 14.

S. B. Faulkener is cutting 3,000 fine violets a day.

Mrs. P. B. Floth is still very sick.

GRIPPE.

Lowell, Mass.

Business done here so far during Lent has been very good. While the cut flower trade has fallen off considerably, the amount of funeral work has more than made up the deficiency. With the approach of April, business has taken on a new aspect, in the way of decorations. The department and millinery shops are having their spring openings, which call for plenty of plants, and many flowers. The only trouble experienced with these decorations is that they all come in a bunch. The supply of cut flowers is of good quality with about everything available except single violets, and what few there are left are commencing to look as if they were all in. Pansies are galore and find ready sale when bunched up with galax leaves, twenty-five to a bunch.

John Gale continues to bring in the best violets that come to town. While most growers have discarded their singles, John brings in some crackerjacks.

Mellor & Saunders furnished a large wreath for the funeral of the late President Capen of Tufts college, last Saturday.

A. C. Tingley's calla lilies, pansies and mignonette are of excellent quality and there seems to be no end to the supply.

M. A. Patten & Company, Tewksbury, have as fine a stock of mignonette as one could expect to find.

A. M.

Syracuse, N. Y.

Looking forward to the approach of Easter it appears that there will be plenty of stock and it is expected that prices will be lower than last year on account of the fact that the festival comes so much later. On account of the disease which struck Easter lilies last year many of the florists did not raise any this year. Those who did not, wish they had, because there is no sign of disease and the prospects are that the demand will be larger than the supply. P. R. Quinlan & Company have a splendid lot at their Valley range. Prices are about the same and trade holds good considering the fact that it is Lent. Azaleas bring \$1 to \$4, carnations from 75 cents to \$1.25 a dozen, roses from \$1.50 to \$3.50 per dozen, cinerarias 50 cents and calla lilies \$3 per dozen.

Julia A. Deegan, widow of Thomas Deegan who was electrocuted October 18 at the greenhouses of Lyman C. Smith, has sued the Syracuse Lighting

Company for \$25,000. Mr. Deegan with William C. Dixon were engaged in placing some steam pipes in the greenhouse. A transformer was in the way and Deegan and Dixon took a crowbar, placed it under the transformer and started to lift. They immediately sank to the ground and died almost instantly. It is said that Dixon had turned off the current and that a lineman not aware of the fact had turned it on again.

P. R. Quinlan & Company had the decoration at the Smith-Haberle wedding, the largest one of the season. Palms, ferns, American Beauty roses and orchids were used in great profusion.

A. J. B.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

INDIANAPOLIS FLOWER & PLANT CO., } Indianapolis, Ind.
JOHN HARTJE..... }

ROOTED CARNATION CUTTINGS

Per 100 1000

WHITE LAWSON.....\$6.00 \$50.00
FLAMINGO..... 6.00 50.00
ENCHANTRESS..... 3.00 25.00
THE QUEEN..... 2.50 20.00
CARDINAL, from 2-inch pots.....12.00

Larchmont Nurseries,
Larchmont, N. Y.

10,000

NOW READY

FRED BURKI

10,000

NOW READY

Send in your order and get one of the best commercial whites; worthy of growing. \$12 per 100; \$100 per 1000.

JOHN MURCHIE, S. S. SKIDELSKY,
SHARON, PA. 824 N. 24th St., Philadelphia.

APRIL PRICES.

CARNATIONS

Per 1000

Queen Louise (from soil)....\$10.00
Queen Louise (from sand).... 7.50
Floriana (from sand)..... 7.50
H. Fenn (from sand)..... 10.00
Nelson (from sand)..... 10.00

GERANIUMS
SMILAX
ASPARAGUS

Send for summer list. I have this stock by the 100,000.

ALBERT M. HERR, Lancaster, Pa.

Now Ready.

White Lawson,
Flamingo,
Nelson Fisher,
Crusader.

\$6.00 per 100; \$50.00 per 1000.

The Three Grand New
CHRYSANTHEMUMS
MAJESTIC, ADELIA and
MADONNA.

R. C.....\$3.00 per doz; \$15.00 per 100
2-in. pots..... 20.00 per 100

Three Fine
SNAPDRAGONS,
Our Giant Pink. a grand
White and a fine Yellow.

\$6.00 per 100; \$50.00 per 1000.

The Fine New Pink Rose
LA DETROIT.

2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

The New Red General MacArthur.
2½-inch pots, \$8.00 per 100; \$75.00 per 1000.

JOHN BREITMEYER'S SONS,
DETROIT, MICH.

WE WANT TO MOVE

SEVERAL HUNDRED EXCEPTIONALLY LARGE

KENTIA BELMOREANA and FORSTERIANA at \$7.00 each

SIZES AS FOLLOWS:

KENTIA BELMOREANA, 12-in. pots, 54 to 60 inches high, 7 to 8 leaves. KENTIA FORSTERIANA, 12-in. pots, 54 to 60 inches high, 6 to 7 leaves. This is fine perfect stock and is just what you need for your Easter Trade.

We also have several thousand exceptionally fine **LATANIA BORBONICA**, in 8-inch pots, 7 to 9 leaves, 30 to 36 inches high, from top of pot. Perfect stock that we will close out at \$1.25 each.

WE ALSO HOPE TO BE FAVORED WITH YOUR ORDER FOR THE FOLLOWING STOCK WHICH WE CAN RECOMMEND AS A1 QUALITY:

Variety.	Size.	Height.	Leaves.	Each.	Doz.	100	Variety.	Size.	Each.	Doz.	100
KENTIA BELMOREANA.....	3½	12-14	5-6	....	\$2 00	\$15.00	PANDANUS UTILIS.....	3	....	\$2.00	....
"	4	15-17	5-6	....	3 00	25.00	"	5	....	5.00	....
"	6	24-26	6-7	....	1 50	18.00	"	6	....	9 00	....
"	7	32-34	6	....	2 00	24 00	POA TRIV. VAR.....	3	for ferneries.....	5.00	....
"	7	34-36	6	....	2 50	30.00	"	3	"	6.00	....
"	9	44-48	7-8	....	6.00	....	CROTONS.....	3	....	1.50	....
"	3½	14-16	3-4	....	2 00	15.00	"	4	....	3.00	....
"	4	16-18	4-5	....	3 00	25 00	CIBOTIUM SCHIEDII.....	6	....	\$1.50	18 00
KENTIA FORSTERIANA, single.....	7	32-36	....	2.00	24.00	....	"	7	....	2.00	24 00
"	8	34-38	5-6	2 50	30.00	....	ADIANTUM CUNEATUM.....	2	....	....	3.00
"	9	46-48	5-6	6.00	....	....	"	3	....	1.00	7.00
LATANIA BORBONICA.....	2	....	....	....	.75	5.00	"	4	....	1.50	12.00
"	3	....	....	....	1.00	7.00	"	5	....	2.00	15.00
"	3½	11-13	4-5	....	2.00	....	DRACÆNA INDIVISA.....	4	....	1.50	10.00
"	4	13-15	4-5	....	3.00	....	"	5	....	3 00	....
"	6	22-26	7	....	.60	7.60	"	6	....	5.00	....
"	7	28-30	7	....	1.00	12.00	"	7	....	9.00	....
PHOENIX CANARIENSIS.....	8	38-42	10-12	3.00	....	....	FRAGRANS.....	7	....	....	....
"	12	46-52	12-15	6.00	....	....	MASSANGEANA.....	5	....	1.00	12.00
FIGUS ELASTICA.....	4	10-12	....	.25	3.00	....	ASPARAGUS PLUMOSUS.....	2	....	....	3.00
"	5	16-20	....	.30	4.50	....	"	3	....	1.00	6.00
"	6	20-22	....	.50	6.00	....	"	4	....	1.50	12.00
ARAUCARIA EXCELSA.....	4	tiers	2-3	.50	6.00	....	"	5	....	.75	6.00
"	5	tiers	3-5	.75	9.00	....	"	6	....	1.50	10.60
"	6	tiers	3-5	1.25	15.00	....	"	7	....	2.00	15.00
"	comp.	6 tiers	3	2.00	....	....	"	8	....	3.00	20.00
COCOS WEDDELIANA.....	3	....	....	....	2.50	....	DRACÆNA TER.....	6	22-24	.75	9.00
PANDANUS VEITCHII.....	4	....	....	.50	6.00	....	FITTONIA VERSCHAFFELTII.....	2	fine for ferneries...	....	5.00
"	5	....	....	1.00	12.00	....	MARANTA MASSANGEANA.....	2	fine for ferneries...	....	5 00
"	6	18-20	....	1.25	15.00	....				

GEORGE WITTBOLD COMPANY,

1657-1659 Buckingham Place, CHICAGO.

BOSTON FERNS.

Fine young plants, \$10.00 per 1000.

ZAMIA INTEGRIFOLIA.....\$12.00 per 1000

Send Money Order on Little River, Fla.

SOAR BROS., Little River, Fla.

Please mention the American Florist when writing.

GARDENIA PLANTS.

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing conditions here ideal; size tells its own story. We do not think they can be equaled elsewhere. 1-year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100. Dormant now and until February 25th.

C. W. BENSON, Alvin, Tex.

HINODE FLORIST CO.

...JAPANESE NOVELTIES...

TINY PLANTS, In 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100.

RHAPIS, 5 to 15 shoots, 50 cents each.

CASH WITH ORDER.

LARGEST GROWERS OF EASTER LILIES. WOODSIDE, N. Y. and WHITESTONE, L. I., N. Y.

Please mention the American Florist when writing

100,000 Alternantheras.

STRONG ROOTED CUTTINGS.

Brilliantissima, the best deep red, 750 per 100; \$6.00 per 1000. A. Nana, yellow, 500 per 100; \$4.00 per 1000. P. Major, red, 500 per 100; \$4.00 per 1000. Special prices on 5 000 or more.

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing.

Cyclamen

Once transplanted, ready March 1. Seed taken from only the choicest stock—nothing better. \$2.00 per 100; \$18.00 per 1000.

C. WINTERICH, Deliance, O.

Money by TELEGRAPH.

Order now, the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for \$3.00 per doz., and give tone to your establishment.

STRONG PLANTS, 2½-INCH, \$15.00 PER 100. For sale by the leading houses, and

Thomas Devoy & Son, Poughkeepsie, N. Y.

DAHLIA KAISERIN AUGUSTA VICTORIA:

The Best White Dahlia in Existence. My own importation. I control the entire stock of it. Flowers double, of the purest white, 4 to 5 inches in diameter. A wonderful bloomer. Stems, 12 to 18 inches long. Plants 3 to 3½ feet high. The finest plants from cuttings. Good strong stock from 2½-inch pots, \$3.00 per doz.; \$20.00 per 100. Delivery May 1st. Orders filled in rotation. Early booking suggested. Highly commended by the American Institute and the New York Florists' Club. Address

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants

EARLY. Yellow.—R. Halliday, Monrovia. White.—Polly Rose, Mme. Bergman, Ivory, Willowbrook, Geo. S. Kalb. Pink.—Glory of Pacific, Pink Ivory Lady Harriet, Montemart.

MIDSEASON. Yellow.—Maj. Bonaffon, Co., Appleton, Yellow Eaton, Percy Plumridge. White.—Mrs. H. Robinson, Mrs. Weeks, T. Eaton. Pink.—Mlle. Liger, Mrs. Probin. Red.—Black Hawk, Mrs. Coombes.

LATE. Yellow.—W. H. Lincoln, H. W. Rleman. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000. **Plants** from 2½-in. pots, \$2.50 per 100; \$20.00 per 1000. These are all good standard varieties. Only strong healthy plants used for stock. All cuttings and plants guaranteed strictly up in quality.

TERMS: Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

ASSORTED FERNS.

\$6.00 per 100, ready for fern dishes.

Hardy Ivies.

2½-inch pots, plants 4 to 10 inches in height, \$5.00 per 100.

Cannas.

Started plants out of sand, 4 to 10 inches, ready for pots, \$3.00 per 100. Varieties, Quebec Charlotte, Mme. Crozy, Alph-nse Bonvier, Egandale and Italia. Cash with order please.

C. A. KNAPP,

Chestnut Hill, PHILADELPHIA, PA.

Please mention the American Florist when writing.

SPRING NUMBER NEXT WEEK

Send Your Advertisement Now.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Oil and Paint Trades.

New York, March 30.—Complaints of car shortage are heard and, owing to navigation on lakes and rivers not being opened as promptly as was anticipated, the movement of paints and colors into consumption has been restricted to some extent, says the Glassworker. The steady warm weather during the past few days has materially stimulated demand and the volume of orders booked for supplies for immediate delivery shows a marked improvement.

The market for linseed oil remains firm, notwithstanding the fluctuations in the price of seed. Demand has greatly improved and a rise in prices is not improbable.

Spirits of turpentine advanced in Savannah, in response to a bull movement on the part of large speculative interests.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

We have a hot water system that does not give the results desired. Enclosed please find a rough sketch of the same. Very little heat reaches the violet house and we are going to disconnect this from the propagating house pipe system and connect direct with the boiler with 2-inch pipe, the latter house heating satisfactorily. Is this right? House No. 1 heats sufficiently but carnation houses Nos. 2 and 3 are too low in temperature. I want to run them at 50° in zero weather. The diagram will show size of span, pipes, etc. The outflow pipes are about 30 inches above the return pipe which enters the boiler at the top level of same, dropping to the lowest level. The circulation of the boiler seems to be good and heat can be raised very quickly. The boiler is a home-made coil in three sections. Would it be best to use the outflow pipe for returns and install four 2-inch outflows, raising them about seven feet above the boiler and connecting with the returns at the farther point? At present the outflows are gradually raised from the boiler to the far end of the houses. How large a boiler of the Kroeschell type will be required to heat this much glass so as to keep the violet house no lower than 45°, the propagation house 65°, house No. 1 60° and Nos. 2 and 3, 50° in zero weather? ANXIOUS.

It is very evident that much of the trouble is due to the fact that the pipe used, which is mostly 1½-inch is too small for houses that are 113 feet in length, especially as it is so arranged that the circulation is quite indirect. From the plan it would appear that houses 2 and 3 are 12x81 feet and at the end of house No. 1, which is 24 by 32 feet. As small flows and large returns are used it will certainly be well to make the change proposed and have them all run down hill. Although the area of the violet house is not stated, it is probable that the amount of radiation in all of the houses is

approximately correct, although it will be well to substitute an equal area of 2-inch pipe for all under 1½-inch, connecting the violet house as proposed. Select a boiler rated for a radiation one-third the glass. L. R. T.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I have a boiler five feet high not counting the head or base, with 24-inch grate and one 8-inch and twelve 2-inch flues. The top opening for flow is 2½ inches and there are two 2-inch openings for returns. Will this boiler, using hot water, heat my greenhouses, diagrams herewith enclosed? They are built on the southeast side of a hill, the northwest corner being three feet in the ground. Please give amount of pipe and their location. The temperature outside goes as low as 16° below zero at times.

C. H. T.

The diagram shows one house 16 x 26 feet, in which a temperature of 60° to 65° is desired; another house of the same dimensions is to be heated to 50° to 55°, except an annex about 6 x 12 feet at the northeast corner, in which 45° to 50° will suffice. Nothing is said regarding the walls, but supposing that they are of wood and not more than four feet high, it can be said that the boiler will probably answer, provided the tubes are five feet long, as would be inferred from the description given. It would be better if the opening for the flow was three inches and each of the returns two and one-half inches, but by connecting the flows and returns from the houses close to the boiler it will make little difference. Divide the flow pipe into two 2½-inch flows and use one to feed a coil in each of the larger houses. In the south house start with 5-inch pipes under the south bench and carry clear around the house, connecting them into a 2-inch pipe just before reaching the boiler. In the other house a coil of four pipes will be required. These should be run in the same way as in the other house, except that they should be carried through the wall when the annex is reached, and pass through that house before leading to the boiler. If possible it will be well to ream out the plates so as to use a 3-inch flow and two 2½-inch returns. This will materially aid the circulation, especially in very cold weather.

L. R. TAFT.

ROOTED CARNATION CUTTINGS.

PINK	Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00

RED	Per 100	Per 1000
Flamingo.....	6.00	
Estelle.....	2.50	20.00

WHITE	Per 100	Per 1000
Lady Bountiful.....	5.00	
Vesper.....	5.00	
Bride.....	5.00	
Mackinac.....	5.00	
Moonlight.....	4.00	
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00

MISCELLANEOUS	Per 100	Per 1000
Judge Hinsdale.....	\$4.00	
Mrs. Patten.....	6.00	
Prosperity.....	2.50	
Harlowarden.....	3.00	

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

CARNATIONS Rooted Cuttings

WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	50.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

CRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

60,000 GRAFTED ROSES For Forcing

FINEST GROWN.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots, \$12.00 per 100; 3¼-inch pots, per 100.....	\$10.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100	10.00
3¼-inch pots per 100.....	15.00

500,000 VERBENAS 60 Varieties.

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....	60c per 100; \$5.00 per 1000
Plants, 2¼-inch pots.....	\$2.50 per 100; \$20.00 per 1000

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

DOROTHY FAUST

CHRYSANTHEMUM.

This is Offered to the Trade as a Sure **MONEY MAKER.**
How Long Have We Waited for a Really First-Class Late Commercial White?

Mr. H. I. Faust has grown this variety in quantity, several houses each year, for several years, and has, with difficulty been induced to part with it.

The E. C. Hill Co. had this variety on trial last year, and the following description was written by a member of the firm who is considered by many to be one of the ablest Chrysanthemum experts in this country:

"DOROTHY FAUST.—Pure snow white, very large, incurved but not globular; petals broad and beautifully formed, somewhat loose in arrangement but of splendid texture; the stem and foliage are as fine as those of Eaton; an easy doer, can be planted very close; blooming at Thanksgiving and later makes this a valuable and delightful variety, as it is one of the most beautiful in finish and effect."

MR. W. P. CRAIG, 1205 Filbert Street, Philadelphia.

Dear Sir:—We are very glad to say that we think Dorothy Faust Chrysanthemum a very good variety indeed. We shipped it with elegant success, and the flowers arrived at destination in the best of shape. It is a good keeper; has good stiff stem, and good form, being pure white. We feel it is a very valuable addition to the Chrysanthemum market as a commercial variety.

Very truly yours,

SAMUEL S. PENNOCK.

The above letter from "The Wholesale Florist of Philadelphia," who has handled this variety for several years needs no further comment, nor do the following:

MR. W. P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

Dear Sir:—It is with pleasure that we state that the Dorothy Faust Chrysanthemum, in our estimation, is one of the best commercial varieties and will no doubt, prove a profitable one to the grower, coming at a season when it will command a good price.

Very truly yours,

Pittsburg, Pa., February 23, 1905.

RANDOLPH & McCLEMENTS.

Philadelphia, Pa., February 15, 1905.

MR. WILLIAM P. CRAIG, 1305 Filbert Street.

Dear Sir:—We have handled considerable of the Dorothy Faust Chrysanthemum, and believe it to be the best late white. The color is so pure, and the straight tough pliable stem does not weaken, as is the case with so many late ones. We have kept flowers two weeks which still looked presentable. We are glad that Mr. Faust consented to send it out this season and believe it will become the standard late white.

Yours truly,

JOS. KIFT & SON.

DOROTHY FAUST is a GOOD GROWER, GOOD KEEPER and a GOOD SHIPPER

Every retail florist in Philadelphia will tell you it is the best late white. The price is so low for such a sterling novelty that all Chrysanthemum Growers can invest with profit. 12 plants for \$4.00; 25 plants for \$6.00; 50 plants for \$10.00; 100 plants for \$15.00. Special prices on large quantities. CUTTINGS READY, and all orders will be filled in strict rotation.

W. P. CRAIG,

PLANTS, BULBS, SEEDS,

1305 Filbert Street,

PHILADELPHIA.

Palms and Asparagus Cheap.

	Per 100
Latania Bor., 2-in. pot, seed leaves..	8.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 6-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2½-in. pot, 6-8 in., 2 leaves..	10.00
" " 3-in. pot, 8-10 in., 3-4 leaves..	12.50
" " 4-in. pot, 12-15 in., 4-5 leaves..	16.00
Asparagus Sprengeri, 2-inch.....	\$2.00
Asparagus Plumosus Nanus, 2-inch.....	2.50
" " 3-inch.....	5.00

SHERMAN NURSERY CO.,
CHARLES CITY, IA.

Please mention the American Florist when writing.

JOSEPH HEACOCK,
WYNCOTE, PA.
—GROWER OF—

Kentia Belmoreana
and **Kentia Forsteriana**

SCOTTII

The Most Graceful Nephrolepis Known

Retailers who have handled this fern are unanimous in proclaiming it the best Fern ever introduced.

Consult any grower who has bought Scottii and he will tell you that it is as far ahead of the Boston as that variety is ahead of all other introductions.

See my adv. on second cover page in American Florist of Feb. 25th.

JOHN SCOTT, Keap Street Greenhouses, BROOKLYN, N. Y.

BRANCH:

E. 45th St. and Rutland Road, Flatbush.

TELEPHONE, 1207 WILLIAMSBURG.

Please mention the American Florist when writing

ASK FOR OUR WHOLESALE PRICE LIST

—ON—

Bay Trees

with special discounts. Write now; it might be too late tomorrow.

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Scottii Ferns.

Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
2½-inch.....	\$2.00	\$12.50
3-inch.....	3.00	20.00
4-inch.....	5.00	

Pierson Ferns 2½-inch 60c per dozen, \$4.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the American Florist when writing.

BOSTON FERNS.

Extra fine stock, cut from bench now ready for 5, 6, 7 and 8-inch pots, at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Please mention the American Florist when writing.

St. Paul.

Trade has felt the advent of Lent some, but business continues very good. There is no oversupply of any stock not even bulbous, despite the very mild and favorable weather. Growers all around are congratulating themselves on the saving on coal bills this winter. It has been an unusually mild winter. The thermometer registered over 60° in the shade last Sunday. Easter stock is looking fairly well, but some growers will still have to push their lilies pretty hard despite the late date for Easter. *Lilium giganteum* seems to have been the favorite for this year on account of its later blooming. St. Patrick's day brought out a good call for green colored carnations but little else. Shamrock plants were in evidence in several places, but very few were sold.

Quantities of peonies at Swanson's Sixth street store have created quite a stir and they seem to sell readily.

Frank Gustafson at L. L. Moy & Company's houses is cutting some fine Chateaux, Bride and Bridesmaid roses.

There is some talk of a challenge from our Minneapolis brethren for a bowling match, the losers to pay for a spread at some first-class hostelry. But we have not heard of any date for it.

Emil Popp has left Holm & Olson to take charge of Mendenhall's place in Minneapolis which is being run by the William Donaldson Company.

O.

URBANA, O.—An oak grove of eighteen acres has been presented to this city for park purposes, by J. Q. A. Ward, of New York, in commemoration of the hundredth anniversary of the county.

Carnations, Roses and 'Mums.

We Need Room. SPECIAL OFFER.

	R. C. per 1000	2½-in. per 1000
Enchantress	\$3.00	
Godfrey, Prosperity	12.50	\$25.00
Crusader	25.00	35.00
White Lawson	40.40	50.00
Harlowarden	15.00	25.00
White Cloud	12.50	25.00
Mary Wood	\$2.50 per 100;	12.50
Mrs. Manley	3.00	20.00
Lawson	12.50	25.00

ROSES. 30,000 Chateaux 2 and 3 eye cuttings, flus. Rooted cuttings, \$20.00, 2½-in. \$35.00 per 1000. 20,000 2-in. Beauties \$5.10 per 100, \$15.00 per 1000. 10,000 2½-in. Gates, \$3.00 per 100, \$25.00 per 1000; R. C. \$12.50 per 1000.

'MUMS. Price list mailed on application.

POEHLMANN BROS. CO., Morlon Grove, Ill.

Please mention the American Florist when writing

Rooted Cuttings

PELARGONIUMS, 15 var., \$3.25 per 100.
VERBENAS, 30 var., 60c per 100; \$5.00 per 1000.
HELIOPTROPE, 12 var., \$1.00 per 100, \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100 \$10.00 per 1000.
SALVIAS, 8 var., \$1.00 per 100 \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.
DAISIES, \$1.00 per 100.

Express prepaid on all R. C. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

CARNATIONS

Fine, strong, healthy, well rooted cuttings. Per 100
 Prosperity, Joost, Lawson, Wolcott.....\$2.00
 Moonlight.....3.00
BOSTON FERNS 4, 5 and 6-in. pots. Elegant, strong, healthy, well rooted plants from bench, 15c, 20c and 30c respectively. S. A. Nutt *Ceraniums*, healthy, 3½-in., \$3.50 per 100. *Plumosas* and *Spengeri*, 3½-in. only, \$4.00 per 100. Above prices cash with order.

JOHN BROT, Niles Center, Ill.

Easter Plants
A SPECIALTY

Now ready for immediate shipment blooming Easter Stock for Easter week or before if desired. I am noted and have a reputation for the past 15 years for raising and shipping choice Easter plants throughout the land. I have 9 houses, the frames crowded with plants in better condition than ever before.

AZALEA INDICA, a specialty, three houses full, of my own importation. We sell none in the fall, therefore have none picked out for full trade. We force them only for our customers for Christmas and Easter trade. Madam Vander Cruysen, they people's choice, best of all pink varieties, plants covered with buds as round as an apple, 75c, \$1.00, \$1.25, \$1.50 to \$2.00 each. Other best varieties, all shades: Niohe, white; Bernard Andre Alba, Empress of India, Professor Walter, Illustre, Paul Weber and others, 75c, \$1.00, \$1.25 and \$1.50 each.

LILIU HARRISH and JAPAN MULTIFLORUM, (Michel's special bulbs), 6-inch pots, 5 to 8 buds to a plant, 10c per bud, below 5, 12c per bud. No lilies sold by themselves.

CINERARIA, Hybrid, best strain, all shades, 6-inch pots, \$2.00, \$3.00, \$4.00 and \$5.00 per doz. **HYDRANGEA**, Otaka, 6 to 7-inch pots, pink and few white, \$5.00, \$6.00, \$9.00 and \$12.00 per doz.

SPIRAEA, 2 houses full, Floribunda, Japonica, Blondine, 6-inch pots, \$3.00, \$4.00 and \$5.00 per doz.; Compacta, \$2.00 to \$3.00 per doz.; Gladstone, unusually fine this year, full of buds, perfect jewels, \$3.00, \$7.00 to \$9.00 per doz.

ROSES, American Beauty, 6-inch pots, bushy, 24 to 30 inches high, 50c to 75c each; 6-inch, 30c to 35c each. Hardy Hybrid Roses, including Hermosa, 5½-inch pots, \$3.00, \$4.00 and \$5.00 per doz.

BEGONIA, Pres. Carnot, Flambeau, 3 good benches in all; 6-inch pots, \$3.00 to \$4.10 per doz.; 4-inch, \$1.80 per doz. **ABACARIA EXCELSA**, 7-inch pots, 4, 5 and 6 tiers, 25 to 34 inches high, \$1.50 each. **FICUS ELASTICA**, 6 to 7-inch pots, 25 to 35 inches high, \$9.00, \$9.50 and \$12.00 per doz.

WHITE DAISIES, 6-inch pots, \$3.00 per doz. **HYACINTHS**, mixed, from first-size bulbs, my own importation, Grand Maître, King of the Huns, Gertrude, pink, Grandiflora, white, \$12.00 per 100.

DOUBLE NARCISSUS or DAFFODILS, You Sion, double-nosed, 3 in 6½ and 6-inch pot, \$2.00 to \$2.50 per dozen pots. **TULIPS**, best selling double, 3 in 4 inch pot, \$1.50 per dozen pots. **MOONVINE**, A. W. Smith's Hybrid, \$5.00 per 100

READ THESE TESTIMONIALS:

GODFREY ASCHMANN.

Dear Sir:—The shipment of plants ordered of you came duly to hand and I must say that I am thoroughly satisfied with them. It is a great pleasure to get such stock. Yours truly,

LINDSAY FLORAL CO., N. 19th St., Birmingham, Ala.

HELENA, Ark, March 17.

GODFREY ASCHMANN.

Dear Sir:—The Azaleas you shipped me at different times during the past winter, I have found to be most satisfactory plants, always ready sellers, as were also your *Arancaria Excelsa*. Am glad to know just where to look when in need of fancy stock. Yours truly,

MERRYVALE GREENHOUSES, Helena, Ark.

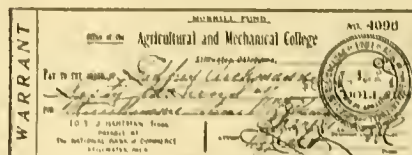
Oklahoma Agricultural and Mechanical College.

Stillwater, December 10, 1901.

GODFREY ASCHMANN, Philadelphia, Pa.

Dear Sir:—The material ordered from you arrived in good shape. The bill has been O. K'd and sent in and will be paid shortly. Please accept my thanks for material sent gratis.

O. M. MORRIS, Supt. of Horticulture.



To save express charges, mention with or without pots. Cash with order please. All goods travel at purchaser's risk. My place is 20 minutes from city hall by trolley, Germantown cars, at 13th and 8th Sts.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Tloga 3000 A.

1012 Ontario St.,

PHILADELPHIA, PA.

Vinca Variegata.

HARDY PINKS, large field-grown, 5 sorts, 3½c.

PARIS DAISY, Giant 2-inch, 2c.

DOUBLE DAISIES, Snowball, Longfellow, \$2.50 per 1000, in bud and bloom.

ABUTILONS, 2 varieties, 2½-inch, 2½c.

SALVIAS, 2-in., Bonfire, Silverspot, \$17.50 per 1000.

GERMAN IRIS, divided roots, \$1.00 per 100.

VINCA VARIEGATA, 2-in. 2c.

COLEUS, 15 kinds, 2-in. 2c.

HOLLYHOCK, double, 5 kinds, small 1 year old, \$1.00 per 100.

FORGET-ME-NOT, Everblooming, 2 in. 1½c.

RUDBECKIA, divided roots, \$1.00 per 100.

COREOPSIS Lanolifolia, field, 2c.

ACERATUM, Gurney, Pauline, **DOUBLE PETUNIAS**, **ALTERNANTHERAS**, red and yellow; 2-inch, \$2.00 per 100.

Rooted Cuttings, per 100, prepaid: **Heliotrope**, 75c.

Ageratum, white, Gurney, Pauline, 50c. **Salvia**, Splendens, Bonfire, Silverspot, 90c; \$8.00 per 1000. **Fuchsia**, 5 best varieties, 90c.

Hardy Pinks, 7 varieties, some everblooming, 75c; \$5.00 per 1000. **Dbi. Petunias**, 10 finest, \$1.00.

Alternanthera, red and yellow, 50c; \$3.50 per 1000. **Stavia**, serrata and Variegata, 75c. **Giant Paris Daisy**, \$1.00. **Coleus**, 60c, \$5.00 per 1000.

Mums, Pacific, Western King, Weeks, \$1.00.

Vinca Variegata, 90c. **Feverfew**, Gem, \$1.00.

—CASH—

BYER BROS., Chambersburg, Pa.

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A FEW GOOD THINGS
YOU WANT.

KENTIAS, As fine a lot of single and made-up plants as ever grown, 4 in., 5-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each. **ORACAEA INDIVISA**, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vland, S. A. Nutt, Castellano, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorite, Mme. Salleron, 2-in. pots, \$2.50 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY 2-in., \$2.50 per 100.

SCARLET SAGE, **LOBELIA**, **VERBENA**, **VINCA VAR.**, **HELIOPTROPE**, Double and Single **PETUNIA**, 2-in. pots, \$3.00 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

Easter Stock

IN EASTER LILIES,
HYDRANGEAS, GENISTAS,
SPIRAEA GLADSTONE,
RHODODENDRONS.

Palms, Ferns and
Decorative Stock.

R. DREYER, WOODSIDE,
L. I., N. Y.

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Dahlias

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeand the leading scarlet ecotus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist,
Box 382, DENVER, COL.

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— 70,000 — Blooming Plants for Easter

20,000 Pots of LILIAM LONGIFLORUM, at 12c per bloom.

4,000 CRIMSON RAMBLERS, trained in unique and artistic designs, \$1 to \$25 each.

10,000 AZALEAS, 75c to \$25.00 each.

3,000 HYDRANGEAS, 75c to \$5.00 each.

3,000 SPIRAEAS, \$4, \$5 and \$6 per dozen.

3,000 ROSE PLANTS, \$6, \$9 and \$12 per doz.

RHODODENDRONS, \$1 to \$25 each.

GENISTAS, \$6, \$9 and \$12 per dozen.

METROSIDEROS (Bottle Brush), \$1, \$1.50, \$2 each.

A large assortment of HYACINTHS in pans at \$9 and \$12 per doz.

WISTARIAS, and other blooming Easter plants.

— Cash or reference. —

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West Hoboken, N. J.

Bedding Plants.

	Per 1000	2 1/4-in. R. C.
Alternanthera, August rooted....	\$ 5.00	.60
Alyssum, Giant, double sweet....	2.00	.75
Ageratum dwarf, blue and white.	1.75	.60
Asparagus plumosus nanus, from flats.....		1.00
Carnation, Mrs. Fisher, white and pink, for summer blooming, strong, 3 inch.....	5 00	2.50
Cohaea, transplanted, from flats.		1.00
Coleus, in varieties.....	2.00	.70
Feverfew, Little Gem, true.....	2.50	1.00
Fuchsia, 6 named varieties.....		1.00
Geranium, my selection.....	2.50	
Heliotrope, in varieties.....		1.00
Marguerites, white and yellow...	2.50	1.50
Petunias, double.....	2 50	
Pansies, 300,000 splendid plants, ready to ship, \$12.50, \$10.00, \$8.50, \$1.00 and \$3.00 per 1,000, according to size of plants; sample free.		
Salvia, in varieties.....	2.00	1.00
Verbenas, in white, pink, scarlet, blue and mixed transplanted, flats.....	5 00	.60
Vincas, 3-inch, \$8.00 per 100.....		1.00
Vegetable Plants, price list mailed free. Cash with order. By mail add 10c per 100 on rooted cuttings and seedlings.		

LUDVIG MOSBAEK, Onarga, Ill.

SPRING IS HERE.

**HARDY PERENNIALS MUST
SOON BE PLANTED.**

We have a large stock of the Best Varieties ready to ship. Send a list of your wants for quotations.

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Now is Time to Sow

The New Hybridized Giant-Flowered
OBCONICA PRIMROSES

	1000 seeds	Tr. Pkt.
CARMINE, the best seller.....	\$1.00	.50
COMPACTA, a fine potter.....	1.50	.50
BUTTERCUP, Primrose Grandfl.	1.00	.50
BABY PRIMROSE.....	.50	.30
PEPPERMINT, true.....	.75	.30
COWSLIP, large-flowered hybrids, per oz.....	\$2.50	.50
HARDY GARDEN CARNATION, the finest mixture in existence, per oz.....	\$2.50	.50
CANDYTUFF, Giant Empress, lb., \$2.50 oz.,	.25	

O. V. ZANGEN, HOBOKEN, N. J.

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APRIL 12th, 10 A. M. Sharp.

4 Greenhouses and about 10,000 Palms and other plants, 100,000 Flower Pots, etc. Send for descriptive list to-day. We give up growing entirely. 1 house, 17x144 and 1 house 25x130, six years old. May be had for \$500. F. O. B. here or \$600 on board cars complete. We have a greenhouse builder who will re-erect these houses at \$1.00 per foot. * * * * *

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SPLENDENS GIGANTEUM HYBRIDS.

Our well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$1.00 per 100; \$35.00 per 1000.

Satisfaction Guaranteed.

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HACKENSACK, N. J.

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SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$35.00 per 1000. Satisfaction guaranteed.

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Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100. \$8 per 1000.

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ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Oph, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

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The best hardy pink. Large, strong flowering roots, \$3.00 per doz.

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Extra fine stock, in bud and bloom. \$1.25 per 100; \$12.00 per 1000.

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ROOTED CUTTINGS

Verschaffeltii, Fire Brand, Golden Queen, Blackwith's Gem, Lord Palmerston, Queen Victoria and Pandora, 60c per 100; \$5.00 per 1000.

Golden Bedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,100 or more Coleus. More liberal discount on large orders.

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100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind that Sell. Per 100, \$2.00; per 1000, \$20.00.

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Fine large transplanted plants, prize strain of the famous large flowering Bugnons, Cassiers, Odier and Trimardean. Stocky plants from cold frame, 60c per 100; \$3.00 per 1000. Extra large plants coming in bud, \$1.00 per 100.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000; 2 1/4 in., \$1.50 per 100.

Stocks, dbl. white for Easter, \$1 per 100 \$8 per 1000.

Daisies, dbl. white, 75c per 100; \$5.00 per 1000.

Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000.

Salvia Splendens, \$1.00 per 100.

Lobelia dwarf blue, \$1.00 per 100.

Ageratum, dwarf blue, 60c per 100.

Roses Clothilde Soupert, in bud or bloom, 4-inch, \$12.00 per 100.

Geraniums, Nutt, Ricard, La Favorite, Vland and Poteville, 4-in., in bud and bloom, \$5.00 per 100.

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Fine cold-frame plants in bud and bloom. Finest mixed colors. Ready April 1st. Price, \$1.50 per 100. Cash with order.

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SHOWED OF THE FINEST PANSIES.



Japan Bamboo Stakes

IN LARGE QUANTITIES. 5 TO 6 FEET.

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CUT FLOWER BOXES

WATERPROOF
Corner Lock
Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.	Dimensions	Per 100	Per 1000
0.	3x 4x20	\$2.00	\$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	97.50
11.	3½x5x30	3.40	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,

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BULB PANS AND AZALEA POTS.

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Standard Flower... POTS

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Standard Flower Pots

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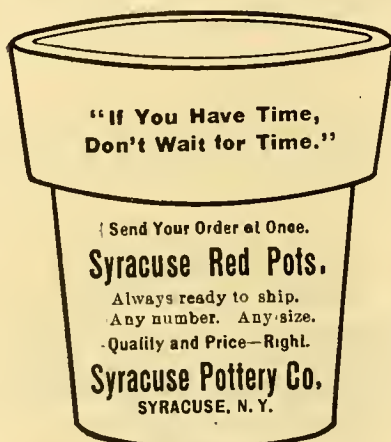
THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List.

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Kramer's Pot Hanger



The neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.

FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND SUPPLY DEALERS.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. Kramer & Son, Cedar Rapids, Iowa.

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STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2-in., in crate, \$4.88	120 7-in., in crate, \$4.20
1500 2½ " " 5.25	60 8 " " 3.00
1500 3 " " 6.00	48 9-in., in crate, \$3.60
1000 3 " " 5.00	48 10 " " 4.80
800 3½ " " 5.80	24 11 " " 3.60
500 4 " " 4.50	24 12 " " 4.80
820 5 " " 4.51	12 14 " " 4.80
144 6 " " 3.16	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y.
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MANUFACTURERS OF
FLOWER POTS.

Before buying write for prices.

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RED POTS

SAMPLE POT AND PRICE LIST
ON APPLICATION.

C. C. POLLWORTH CO., MILWAUKEE, WIS.....

Minneapolis.

There was a slight increase in business the past week and dealers report an activity in sales. The supply of cut stock remains unchanged, with sufficient to meet all demands. The market on greens is exceptionally good, with a short supply.

The New York Central railroad opened an office for their freight department here, and several thousand of roses and carnations were presented, they being furnished by William Donaldson & Company.

William Topel, who has had charge of a section of Donaldson's rose houses for the past five years, has resigned, to accept the management of W. D. Dunwoody's private plant at Lake Minnetonka.

Carl Johnson, manager of the floral department of Powers Mercantile Company, reports trade back to the usual pace.

R. S. Wessing has given up his Nicolet avenue store, and his plans for the future have not yet been decided.

O. S. Swanson had a choice display of tulips last week.

C. F. R.

Lake Geneva, Wis.

The Lake Geneva Gardeners' and Foremen's Association was organized March 4, the following officers being elected: President, A. J. Smith, gardener to J. J. Mitchell; vice-president, Axel Johnson, gardener to R. T. Crane; secretary, John Tiplady, gardener to H. H. Porter; treasurer, Frank Kuehne, gardener to O. W. Potter.

Forty names of gardeners and foremen were enrolled for membership the first and second meetings, with prospects of many more. The meetings will be held the first and third Saturdays in each month, at 8 p. m., in the rooms of the Lake Geneva News.

T.

FOUND!

A place where new and old material for the complete erection or repairing of

GREENHOUSES

can be procured in

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Economical florists get our prices on Glass, Boilers, Ventilating Apparatus, Fittings, Pipe White Lead, Paint, Putty, Hot Bed Sash, Etc.

OLD GREENHOUSES BOUGHT.

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References: Dunn, Bradstreet, and Broadway Bank of Brooklyn.



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—IMPORTERS and JOBBERS—

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

80-82 Wabash Avenue and 34 to 40 South Water Street, CHICAGO.

GLASS.

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be sure and get our prices.

Sharp, Partridge & Co.

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GULF CYPRESS GREENHOUSE MATERIAL

HOT-BED SASH, BOILERS, PIPES, FITTINGS, VENTILATING APPARATUS.

GLASS AT WHOLESALE.

We furnish everything for building. Send for prices and catalogues.

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Window Glass, Paints and Putty.
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EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

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PITTSBURG, PA.

TANK WINDOW GLASS.

Hot-House Glass a Specialty.

GLASS FOR SALE CHEAP.

In quantities not less than 300 Boxes. Less quantity slightly higher prices.

500 Boxes 16x18 Double Thick, B.....	\$2.60
400 " 16x20 " A.....	3.00
500 " 16x20 " B.....	2.80
500 " 16x24 " A.....	3.00

The above prices are net cash, f. o. b. Chicago, March or April shipment. Subject to prior sale. Special prices on other sizes, shipment east or west.

JAMES H. RICE CO., 80-82 Wabash Ave., CHICAGO.
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STENZEL GLASS CO., GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

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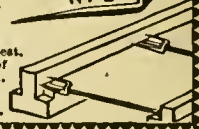
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See the Point **PEERLESS**

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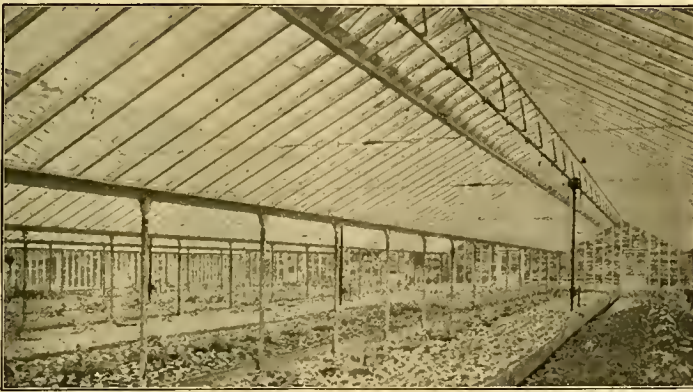
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N° 2



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Material for our Patent Short Roof Houses as per cut and all other styles of Construction, either of Washington Red Cedar or Louisiana Cypress.



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Quality Invariably the Best that Can Be Produced.

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The Best Quality and Work Guaranteed.

CYPRESS SASH BARS

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In lengths as wanted.

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Economical and lasting. Coming into general use.

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Various styles and sizes. Ready for prompt shipment.

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It works like a charm.

PIPE, FITTINGS, GUTTERS, GLASS

And all supplies needed in new or reconstruction work.

Get our Estimates, Plans and Suggestions on Structures Proposed. Illustrated Catalogue sent postpaid.

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WE OWN THE FIFTY MILLION DOLLAR LOUISIANA PURCHASE EXPOSITION.....

Here is a chance for Florists to purchase Thousands of Dollars worth of Valuable Material at extremely low prices. Such an opportunity only comes once. You must take advantage of it.

Three Complete Greenhouses.

Complete with all appurtenances, including the Flowers, Plants and Shrubs. Each house is 22x300 feet. They have Patent Ventilators, extra thick sash and regular style hothouse sash, size 3x6 feet. We will sell these Greenhouses either complete or in parts. They include complete heating systems. Over 50,000 Plants are in these Houses. A complete list of them with our extremely low prices mailed on application.

HOT-HOUSE SASH.

5,000 Standard Hot-bed Sash, 3x6 feet, heavy rail, in fine condition.

PIPE.

10,000,000 feet of pipe for every purpose. Standard black wrought iron, sizes 3/8 to 12-inch.

Extra heavy black wrought iron, sizes 2 to 36-inch.

BOILER TUBES.

10,000 feet second-hand Boiler Tubes, in good condition, square ends, 3, 3 1/2 and 4-inch. Will make low prices on carload order.

100,000,000 FEET OF LUMBER.

Send us your Lumber Bill for our estimate. We can furnish you anything in the line. Studding, Joists and Timbers. Mixed 2-inch Planking, dressed and matched flooring. Timbers in sizes 4x4, 4x6, 6x6, 6x8, 8x8, 10x10, 10x12, 12x12, 14x14 and in lengths from 8 to 80 feet. Interior finishing material.

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Thousands of Sash and Doors for quick delivery. Can furnish all sizes. Write for our Sash and Door List.

RUBBER HOSE.

60,000 feet of Rubber Hose in sizes from 3/4 to 2 1/2-inch. We are making very low prices on large quantities.

ROOFING GLASS.

1,000,000 feet of 1/4 and 3/8-inch thick roofing glass, good as new. 1,000,000 feet of heavy wire netting used under this glass, No. 14 gauge.

LAWN ROLLERS.

25 Rollers, two sections, each 10x20 inches, counterbalanced handles.

ROAD SCRAPERS.

12—No. 2 American Wheel Scrapers.
25—No. 2 Western Wheel Scrapers.
35—No. 2 1/2 Western Wheel Scrapers.
12—No. 1 Western Drag Scrapers.
12—No. 2 Western Drag Scrapers.
25—Western Railroad Plows.

CONTRACTORS' SUPPLIES.

4,000 Steel Shovels. 500 Wheelbarrows. 500 Steel Picks. 600 Mattocks, Lanterns, Axes, etc. 1,000-ton Bolts, Rods, Lag Screws, Turnbuckles and Washers. 150 Track and Lever Jacks.

Thousands of other items of every kind and description. Furniture, Office Fixtures, Electrical Apparatus, etc., etc. Ask for our World's Fair Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.

West 35th and Iron Sts., CHICAGO.
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GREENHOUSES.

MATERIAL FURNISHED
AND

MEN TO SUPERINTEND
ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FEET OR LONGER.

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Wired Toothpicks

10,000, \$1.50; 50,000, \$5.25. Manufactured by
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Sample Free. For sale by dealers.

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Makers of **WIRE DESIGNS**

Located in Flower Growers' Market,
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Best work, lowest prices. List free on application. City and shipping orders receive equal attention. Please mention the American Florist when writing.

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Greenhouse Benches

Ship Lap, Drop Siding, Sheathing, Flooring,
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We are in a Special Position to Furnish

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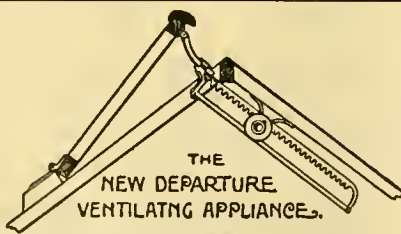
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Send for descriptive price circular.

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Galvanized Wire Rose Stakes, Tying
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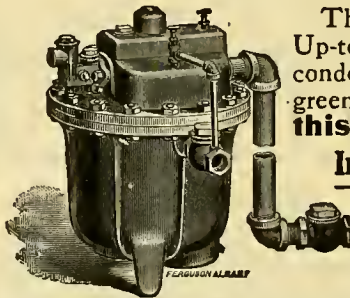
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The Storrs & Harrison Co., Painesville, O.

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Carnation—Carnation cuttings.

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Jos. H. Cunningham, Delaware, O.

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Chrysanthemums—Ready to ship now out of soil, good strong cuttings as follows: 200 G. S. Kalb, 200 Monrovia, 300 F. Teal, 100 Glory of Pacific, 200 Polly Rose, 100 Willowbrook, 100 Golden Trophy, 100 Mrs. Robinson, 400 Bride, 400 Appleton, 400 Minerva, 200 G. W. Childs, 300 T. Shrimpton, 200 Vivand-Morel, 1,000 Niveus, 1,000 Mutual Friend, 1,000 Halliday, 2,000 Ivory, white; 300 Ivory, pink; 500 Cullingfordi, 400 J. Jones, white; 400 J. Jones, yellow; 300 Black Hawk, 300 Xenon, 1,200 G. Wedding, 1,000 Lincoln, 700 Maud Dean, 300 Nagoya, 400 Mme. F. Perrin, 500 T. Eaton, 1,000 Y. Bonnafton. Above varieties, \$1.50 per 100; \$12.50 per 1,000. B. Wells, Princess, N. Pockett, Mrs. W. Mildred Ware, Mrs. E. F. Vallis, W. Duckham, Dr. Enguehard, \$2.50 per 100. Gen. Hutton, F. A. Cobbold, Leila Filkins, L. T. Wright, \$4 per 100.

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SOME GOOD SPECIMENS AZALEA INDICA, VARIOUS COLORS, 2½ TO 5 FEET ACROSS. SOME LARGE BUSHES AZALEA INDICA ALBA 4 TO 6 FEET HIGH, WELL BUDDED. SOME GENISTAS FROM 1½ TO 5 FEET HIGH. HYDRANGEA OTAKSA, 8 TO 12-INCH POT. ALL IN GOOD SHAPE FOR EASTER.

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Ferns, Etc.—Boston, Pierston and Scottii ferns. Geo. A. Kuhl, Pekin, Ill.

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Ficus—Ficus elastica, 100 stock plants, the true Belgian Rubber, 7 to 10-in., 35c each, \$20 per 100. Auction April 12. Albert Fuchs, 2059 N. Halsted St., Chicago.

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Hollyhocks—Dreer superb double hollyhocks, separate colors, \$1.25 per doz., \$10 per 100. Henry A. Dreer, Philadelphia.

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Ivy—Hardy ivies, 2½-in. pots, plants 4 to 10 in. in height, \$5 per 100. C. A. Knapp, Chestnut Hill, Philadelphia.

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Palms—10,000 palms at reduced prices. Kentia, 3-in., \$5 per 100, \$40 per 1,000; 6-in., \$9 to \$12 per doz.; 6-in. Kent. Forst, \$12 per doz.; 7-in. Kent., \$12 to \$18 per doz.; 8-in. Kent., \$24 to \$30 per doz.; 7 and 9 in. Latania, \$1.50 to \$2.50 each. Ten large Cycas, 4 to 8 feet, \$5 to \$35 each; the ten for \$125. One Chamaedorea Wendlandii, eleven feet high, worth \$100, for \$35. Final auction April 12, 10 a. m. sharp. Made up Kentias \$1.50 to \$4.50 each. Albert Fuchs, 2059 N. Halsted St., Chicago.

Palms, Etc.—Growers and Importers, palms and ferns; decorative plants. Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Palms, Etc.—Palms, ferns and decorative plants. John Burton, Assignee for Robert Craig & Son, Market and 49th Sts., Philadelphia.

Palms, Etc.—Kentia Belmoreana and Kentia Forsteriana. Joseph Heacock, Wyncote, Pa.

Palms, Etc.—Latania Bor., 2-in. pot, seed leaves, \$3 per 100; Latania Bor., 3-in. pot, 15-18-in., 2-3 chr. lvs., \$12 per 100; Latania Bor., 5-in. pot, 18-20-in., 3-4 chr. lvs., \$15 per 100; Latania Bor., 5-in. pot, 20-24-in., 4 chr. lvs., \$20 per 100; Kentia Bel., 2½-in. pot, 6-8-in., 2 leaves, \$10 per 100; Kentia Bel., 3-in. pot, 8-10-in., 3-4 leaves, \$12.50 per 100; Kentia Bel., 4-in. pot, 12-15-in., 4-5 leaves, \$15 per 100. Sherman Nursery Co., Charles City, Ia.

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Palms—Small palms from 2½-in. pots, per 100: Kentia Belmoreana, \$6; Areca Lutescens, \$4; Latania Borbonica, \$3; Cocos Weddelliana, \$8. The Storrs & Harrison Co., Painesville, O.

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Petunias—Dbl. petunias, rooted cuttings, 10 finest, \$1 per 100. Byer Bros., Chambersburg, Pa.

Petunia—Double petunias, 2½-in., \$2.50 per 100. Ludvig Mosbaek, Onarga, Ill.

Petunias—Double petunias, \$3 per 100; seedlings \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias—Double fringed petunia, six distinct novelties, labeled, \$1.25 per 100, \$10 per 1,000, choice rooted cuttings. The W. T. Buckley Co., Springfield, Ill.

Petunias—10 best sorts, \$1. Byer Floral Co., Shippensburg, Pa.

Petunias—20 varieties, \$1.25 per 100, \$10 per 1,000. S. D. Brant, Clay Center, Kan.

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Roses—Roses, rooted cuttings: Chateau, \$2.50 per 100, \$20 per 1,000; Uncle John, \$2.50 per 100, \$20 per 1,000; Bridesmaid, \$1.50 per 100, \$12.50 per 1,000; Bride, \$1.50 per 100, \$12.50 per 1,000; Ivory, \$1.50 per 100, \$12.50 per 1,000; Perle, \$1.50 per 100, \$12.50 per 1,000; Roses, 2½-in. pot plants: Richmond, \$30 per 100, \$250 per 1,000; Rosalind Orr English, \$25 per 100, \$200 per 1,000; Chateau, \$4 per 100, \$30 per 1,000; Sunrise, \$4 per 100, \$30 per 1,000; Perle von Godesberg, \$5 per 100, \$40 per 1,000; Liberty, \$5 per 100, \$46 per 1,000; La Detroit, \$6 per 100, \$50 per 1,000; Uncle John, \$4 per 100, \$35 per 1,000; Kaiserin, \$4 per 100, \$30 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; Perle, \$3 per 100, \$25 per 1,000; A. Beauty, \$6 per 100, \$50 per 1,000; American Beauty bench plants, \$6 per 100, \$50 per 1,000.

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Roses—Bride, Bridesmaid, Perle, Ivory, G. Gate, Etoile de Lyon, Mrs. Cant, Cochet, Bon Silene, etc., \$4 per 100, \$38 per 1,000, 3-in. pots. Same var., 2-in. \$3 per 100, \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

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C. W. Reimers, Station A, Louisville, Ky.

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Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Rose—Gen. MacArthur, 2½-in. pot plants, \$10 per 100, \$80 per 1,000; 3-in., \$12 per 100. Storrs & Harrison Co., Painesville, O.

Roses—Forcing and bedding roses. A. Beauty, 2½-in. pots, \$5 per 100; Muriel Graham, fine for forcing, Sept. propagating, strong, 3-in. pots, \$10 per 100; P. Rambler, 3-in. pots, strong, \$8 per 100. New roses (last year), climbing Marie Bulow, M. Jean Dupuy, Comte Amadee de Foras, Mme. T. Cusin, Peace, all Sept. propagating, strong, 3-in. pots, \$1.25 per doz. Oxford Retreat, Oxford, O.

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Roses—Rooted cuttings. Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Golden Gate, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; 2½-in. pot plants. George Reinberg, 61 Wabash Ave., Chicago.

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Sievers & Boland, 33 Post St., San Francisco, Cal.

A. Gude & Bro., 1214 F St., Washington, D. C.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Mills, the Florist, 36 W. Forsyth St., Jacksonville, Florida.

Fred C. Weber, 4320-28 Olive St., St. Louis, Mo.

The Park Floral Co., J. A. Valentine, president, Denver, Col.

John Breitmeyer's Sons, Cor. Miami and Gratiot Aves., Detroit, Mich.

P. J. Hauswirth, Auditorium Annex, Chicago.

Hess & Swoboda, 1415 Farnam St., Omaha, Neb.

Joseph R. Freeman, 612 13th St. N. W., Washington, D. C.

Holm & Olson, St. Paul, Minn.

Mrs. Chas. Eickholt, Galveston, Tex.

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Bamboo—Japan bamboo stakes in large quantities, 5 to 6 feet. Write for prices. Suzuki & Iida,

31 Barclay St., New York.

Bulb Pans, Etc.—Bulb pans. Detroit Flower Pot Mfg. Co., 490 Howard St., Detroit, Mich.

Bulb Pans, Etc.—Seed pans, hanging baskets, lawn vases. Hilfinger Bros., Fort Edwards, N. Y.

Bulb Pans, Etc.—Bulb and fern pans. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Cape Flowers—Cape flowers, all colors. A. Hermann, 404-12 E. 34th St., N. Y.

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Fumigating Supplies—Nico-fume, tobacco paper insecticide. For sale by seedsmen, 24 sheets, 75c; 144 sheets, \$3.50; 288 sheets, \$6.50.

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Greens—Southern wild smilax. J. B. Deamud, 51 Wabash Ave., Chicago.

Greens—Evergreens, galax, leucothoe, mosses, etc.

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Greens—Hardy decorative supplies; high grade southern wild smilax.

E. A. Beaven, Evergreen, Ala.

Greens—Galax leaves and all decorative greens.

Reed & Keller, 122 W. 25th St., N. Y.

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The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

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Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

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Boilers—About "Burnham" boilers. Write today to our New York office for our greenhouse heating and ventilating catalogue.

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Gutters—Jennings improved iron gutter.

Diller, Caskey & Co.,

Sixth and Berk Sts., Philadelphia.

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Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

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Paint, Putty, Etc.—The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

Paint, Putty, Etc.—H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, Etc.—Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Pipes, Iron Fittings, Etc.—Galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized turn buckles and wire. Fittings for purline and ridge supports.

Foley Mfg. Co., 471 W. 22d St., Chicago.

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Ventilators—Foley ventilating apparatus. Foley Mfg. Co., 471 W. 22d St., Chicago.

Ventilators—Hand ventilators, etc. The King Construction Co., N. Tonawanda, N. Y.
Atlanta Floral Company, 41 Peachtree St., Atlanta, Ga.

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American Florist Co.,

324 Dearborn Street,

CHICAGO.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN FLORIST

TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.

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at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Boston, 1906. ALBERT
M. HERR, Lancaster, Pa., secretary.

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Annual meeting and exhibition, Boston, Mass.,
March, 1906. WM. J. STEWART, 11 Hamilton Place,
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Exhibition at Chicago about June 15. ARTHUR
H. FEWLES, Newton Highlands, Mass., secretary.
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exhibition manager.

A Spring Song.

Shall I believe again in spring?
My heart is cold with wintering.
My flowers are slain with frosty dew,
Oh! shall my garden bloom anew?
My frozen lilies to the light
Lift up their caps of green and white.
Shall leaves come on my empty trees,
And there be roses and heartsease?
The king is dead, long live the king!
The old king's ermines are brought low,
And the young King's new purples show:
Shall I believe again in spring?

This morning is a rosier thing,
And bears some promise in her eyes.
Spring's rumor runs, a sweet surmise,
Up from the taproots to the bough
Wherein the new sap rises now.
A veil of blue makes soft the skies
That were sealed fast with wintry gray.
A dancing wind has blown away
The memory of the winter's day.
The sun has lighted up perforce
The golden bonfires of the gorse,
Lest haply men and maids forget
That kissing is in season yet.

I'll take the hint the gorses give,
And I again will love and live.
My feet shall dance, my tongue shall sing,
And I'll believe again in spring.

—Pall Mall Gazette.

Easter Plant Arrangements.

Several illustrations are given in this issue showing examples of Easter plant grouping as done by the leading New York retailers in the fashionable sections where wealthy customers abound.

A tub of lilacs made a very pretty piece and the price asked, \$25, was not excessive when the contents are taken into consideration. Both white and purple lilacs were used together with *Pteris tremula*, and the bows were of light blue ribbon. The tub was white enameled, the hoops gilded. In these arrangements moss is mainly used to fill up the space inside, soil being too heavy for convenient handling. See Fig. 1.

One of the most beautiful, yet simple, arrangements was the square handled "Russian" basket filled with lilies and Crimson Rambler roses. The ribbon was crimson, harmonizing with the roses. Around the base is seen a little fringe of *Erica carnea*. These "Russian" receptacles have been very popular in New York both for Christmas and Easter. The rough wood of which they are made is colored to match old weather-beaten material in lichen grey and brown. See cover design.

The willow clothes-basket filled with *Azalea mollis* was exceedingly pretty. The azaleas were of the yellow-flowered variety and the sash was of corresponding color. The basket was in uncolored wood. Around the sides a few ferns were used to fill in the open spots, the glossy foliage of the *Cyrtomium falcatum* being especially effective so used. See Fig. 2.

The picture of a Crimson Rambler shows the method of hoop training used in New York more generally than any other form. The white celluloid pot-basket is much liked in connection with the brilliant crimson flowers of the Rambler. See Fig. 3.

The hamper of violets speaks for itself. The hamper is made mainly of raffia, and zinc-lined. Lady Hume Campbell is the violet used almost exclusively in these plant arrangements. Large numbers of these pretty affairs are bought at Easter. The supply men furnish the hampers in varying styles and sizes to suit all. See Fig. 4.

Bougainvillea Sanderiana makes a very pretty pot plant, as shown in the illustration. Grown small as in this case a limited number of them can be disposed of. The large plants often

grown are wanted more for decorative effect in the store than for their selling qualities, and they are unrivalled for this purpose. The white celluloid basket is an essential adjunct if they are to be shown at their best. See Fig. 5.

Azalea Hærensiana, introduced here a few years ago, has acquired for itself a firm position among the standard Easter varieties alongside *Vervæana*, which it excels in symmetry and abundance of bloom. With *Primula obconica* in combination, in a rough basket of plain willow twigs as shown in the illustration, it made a beautiful Easter subject. The *obconica* hybrids, now generally disseminated with the fine round flowers with size and variety of color nearly equal to those of the best Chinese primroses, are becoming deservedly popular despite the late rather exaggerated sensation regarding their poisonous qualities. This last described arrangement was seen at The Rosary on Thirty-fourth street, New York. All the others were photographed in the new store of Siebrecht & Son on Fifth avenue. See Fig. 6.

Window Displays in New York.

There is no city in the country where so much attention is paid to the appearance of the stores and windows of the florists as in the great metropolis of New York. Here is found the largest and greatest variety of flowers to be seen anywhere. The wealth of the country is centered here; twice as many people are within, or close to its city limits as are found in any other populous center of the United States. In consequence the demand is such that it is unquestionably the best market, where anything of unusual excellence is always salable at a good price.

An example of a high class store is that of George M. Stumpp. Extra large mirrors are always well arranged with choice stock, mostly foliage and blooming plants. On March 14 a tall, white, tree-looking affair, while artificial, attracted considerable attention until its nature was apparent, being a wire frame covered with fringed linen to imitate a cedar or cypress tree in winter. When attention was turned to the really beautiful plants, a tree, *Otaheite* orange, full of fruit was flanked by white wistarias, clematis, large flowering varieties, handsome acacias and a jar of *forsythia* blossoms. The side windows were filled with choice speci-



EASTER PLANTS.—Fig. 1.
(Tub of Lilacs.)

men palms and ferns, among which were azaleas and acacias. Inside there was an advance display of Easter baskets filled with a variety of plants and all touched up with pussy willow sprays. Ribbons and crepe paper were also used in good taste. They presented a very up-to-date appearance and looked as if they could almost walk away themselves. The morning roses had just arrived and all were being dethorned which is always done before they are put into the case or offered for sale.

At Thomas Young, Jr.'s, Fifth avenue establishment there were some fine rhododendrons and choice azaleas which completely filled one window. In the other there was displayed cut flowers, not very many but the stock was choice.

Thorley had a fine display of blooming plants, azaleas, rhododendrons, lilacs, double flowering almonds, acacias, heather and all choice stock. Opposite, Alexander McConnell's windows were gay with Ghent and Belgian azaleas, heather and cut flowers in vases.

The Cut Flower Market was an interesting place. Here is an immense ice box about thirty feet long, seven feet high and five feet deep, white tile inside and out except for the oak frame and glass. For all it was so large it was well filled with choice flowers mostly roses and carnations. At one end of the case a sign read "Wholesale Department" and a number of the largest sized fiber vases were papered around the top as if holding long stemmed roses and these had large tags

the place and everything else in it. They certainly were worth all they cost for the great effect produced. The windows were all that could be desired, one filled with Japanese plants and the other with azaleas. There were two immense pans of Boston ferns and ivies suspended in the large skylights which added considerable to the ceiling effect. The special idea of the store is to impress customers that it is a wholesale establishment where the retail buyer can enjoy the same advantages.

At the Rosary there was double pink hawthorn well flowered and with plenty of foliage, also standard lilacs, magnolias, Ghent azaleas and some pots of well flowered wall flowers.

Siebrecht's magnificent establishment is a beautiful place. Immense kentias stand about and give a tropical air to the place. The windows on one side are filled with choice palms and Japanese plants. The front window contained fine azaleas. Choice wistarias full of bloom occupied places of vantage. The flower case contained choice roses, among them Killarney, which sells much better than Bridesmaid with them. A vase of Uncle John, choice flowers, called by them the Souvenir, which change is we think justified. This is a very pretty flower and likely to be better known. A shipment from the nursery at New Rochelle of 350 cattleyas had just been received; fine flowers they were, and mostly intended for a casket cover.

Bowe's window at Thirty-fourth and Broadway was gay with flowers, cut orchids in a hanging pan, special American Beauty roses in a large stork vase, a jar of forsythia branches, and plants.

Scallen made a display of bulbous pans covered all around with green sheet moss.

Warendorff's window was made attractive with azaleas and twig baskets with low handles. These were trimmed with pussy willow sprays as if



EASTER PLANTS.—Fig. 2.
(Yellow Azalea nollis in Willow Clothes Basket.)

made of them; they were filled with red roses and daisies.

At Thorley's Broadway store the large window was completely filled from floor to ceiling with cybotiums and long American Beauty roses, vases of long snapdragon and pots of lilies. The center post was trimmed with sprays of dendrobiums in small vases. The effect was very showy.

Small & Sons' large windows showed considerable floor space but looked well decorated with long American Beauty roses and cibotiums in one, and azaleas and a hedge of daffodils in the other.

Fleischman's was as attractive as usual, without crowding. The large corner case contained vases of very choice carnations. In one of the large side windows were large cut flower boxes with sash ribbon bows. On a small table rested a bunch of white artificial chrysanthemums with asparagus and a large ribbon bow. It was conspicuous and decorative. K.

Terriers Versus Flowers.

A SERMON TO THE CRAFT.

At the annual banquet of the Dutchess County Horticultural Society, Poughkeepsie, N. Y., the Rev. Patrick Daly made a very interesting address, from which we take the following as a seasonable and refreshing divergence from our routine reading matter:

"My love of flowers would be for me a source of unqualified delight were it not for the fact that I was born with, or developed at a very early age, a strong love for Irish terriers, and I find that to get along with God and mammon is an easy trick compared with combining a love for flowers and of Irish terriers where one has not enough real estate to keep them in separate backyards. The man who would fain love all God's creatures at the same time will find that he has a big contract. It is a sad limitation of our condition here below that we have to be very careful in the regulation of our love even for human beings.

"Now when a man finds his love distracted by the rival claims of beautiful flowers and Irish, or other terriers, he has a delicate and complicated problem to solve. For myself I would be for deciding in favor of the terriers on the score that they stand higher in the scale of evolution, although willing to admit that the flowers have a soil of their own and that their eloquent beauty inspires feelings too deep for expression.

"But why be angry with a dog because he cannot be persuaded to have a proper respect for flowers? Is not all life full of perplexities and incongruities? And the scientists only make confusion worse confounded. An excellent story teller—a Rev. Patrick Sheehan—has this story, which will go some way toward excusing the vandalistic terrier:

"'I was,' he says, 'putting up some withered asters today. A robin came over in a friendly way and looked on. I was grateful for the pretty companionship. It was familiar, and I hate stand-off and stuck-up people. I knew he admired my industry if not my skill. He looked very pretty with his deep brown back, and scarlet breast-plate, and his round wondering eyes watching mine. Alas, no! he was watching



EASTER PLANTS—Fig. 3.

(Hoop-trained Crimson Rambler rose.)

something else. A rich, red, fat worm wriggled from the roots of the dead flowers. Robin instantly seized him, flung him down, bit him in halves, then in quarters; then gobbled up each luscious and living morsel, and looked quite innocent and unconcerned after the feat. He had swallowed as much raw meat as a grown man who would dine off three or four pounds of beefsteak; and he as his own butcher. And this is the wretch that poets rave about.'

"How easy it is to forget the mangled worm in the song and plumage of the bird! An anti-cruelty-to-animals-man will make love to a pretty woman even if she carry half a dozen dead robins impaled upon her hat. It were easy to push this thought to unpleasant length.

"'For nature is one with rapine, a harm no preacher can heal.'

"'I want to know who is the time-keeper and warden and night-watchman of my flowers. It is not the sun, because they are awake before the sun, and after his rays slant high above their heads. It is not light, because whilst it is yet light, light enough to read with ease and pleasure, behold, my little flowers close their eyes ever so softly and silently, as if they feared to disturb the harmonies of nature; and as if they would say: 'We are such little things, never mind us. We are going to sleep for we are so tiny and humble, why should we keep watch and ward over the mighty universe?' And again who has bidden my crocuses wake up from their wintry sleep, whilst the frost is on the grass, and the snow is yet hiding in the corners of the garden beds?

"And here, my little snowdrop, so

pure and fragile, braves the keen arrows of frost and sleet, and pushes its pure blossoms out of the iron earth. This is the bulb of a hyacinth; this is the bulb of a dahlia. But the former wakes up in early spring, and hangs its sweet bells on the pure virgin air; while the latter sleeps on through the cold of spring and the blazing heat of summer, and only wakes up when all nature is dying around it, and seems to be calling for another proof of its immortality. Who is the watchman of the flowers? Who holds his timepiece in his hands, and says: 'Sleep on, O dahlia! Sleep, though spring should

to be repressed. Thou, too, must go into the vortices; and in pain and suffering, in mortification and dissolution, pass out to the unknown.'

Can Sporting in Plants Be Induced?

[Address delivered by L. C. Corbett, before the New York Horticultural Society, March 8, 1905.]

The sporting of plants as we term the vegetative variations which occur during the life of the individual is only a special form of variation. Variation we know is the natural tendency of plants and animals. The direction and extent of such variation is frequently prede-

note that in a bed of Lawsons and upon a plant with otherwise normal flowers one shoot produced a blossom one-half of which was pure white while the other half was of the normal pink of the Lawson. These sports in the Lawson are exceedingly interesting for they clearly indicate that the Lawson is composed of two parts, pink and white, in which the pink is the predominant. Under favorable conditions, however, the white asserts itself and we have the sports above spoken of. This frequent breaking out of a recessive character is all the more interesting in the case of the Lawson carnation on account of the fact that neither of its immediate parents were white, the Lawson being the result of a cross of Daybreak, pink, with Van Leeuwen, cerise. The facilities now at hand do not allow me to analyze the composition of either Daybreak or Van Leeuwen, but I suspect from the behavior of Lawson sports that one of these parents and perhaps both of them have a strong white strain of blood in them.

From what has been said it is evident that cross pollination is believed to be one of the most important means through which the sporting or variation of plants can be induced. The wonderful results obtained by Burbank in his work with fruits has been based almost entirely upon the practice of cross pollination. In connection with this work there seems to be two pretty well established theories. They may be stated somewhat as follows: When working with species the more violent the cross that can be secured the more variable will be the hybrids in the second generation and the more likelihood there is of securing distinct forms or monstrosities. Second, that when working with plants which are themselves of crossbred or hybrid origin the peculiar attributes of the particular plants used for breeding purposes can not be counted upon to appear in the mongrel offspring, except, in so far as these characters form important dominant or recessive characters in the breeding of the parent plants.

The marvelous results achieved by some of our modern plant breeders seems to lie in their wonderful skill as manipulators of plants. Crosses have been successfully made by these men and fertile seeds obtained from plants which have been considered incompatible and so entirely distinct that it was considered heresy to seriously consider the question of making such a cross. I am free to confess that with ninety-nine persons out of every hundred engaging in such work I believe the results would be "nit." The success of the one proves his superior skill and ability to discern the conditions essential for success. The factors then which may be considered as contributing to the sporting of plants are: Extreme conditions in the environment such as marked changes in latitude, altitude, soil conditions as from alluvial to desert, increased food supply the results of an excessive use of plant foods or of cultivation, and violent or continuous cross-breeding.

UTAH has a new horticultural law which provides more effectually for the protection of the fruit growing interests of the state against the importation and spread of insect pests and diseases.



EASTER PLANTS.—Fig. 4.

call for universal allegiance, and summer winds challenge thee to resurrection; but awake, narcissus, and tremble at thine own beauty.' It is not the atmosphere. The spring might be warm, and the autumn chilly; or vice versa. It is not temperature, for the most fragile things flourish in the cold. What is it? Who hath marked their times and seasons and warns them when their hour hath struck? Who but Thou, great Warden of the universe?

"And weep not, O thou child of genius, if obeying the universal law, and driven on, not by ambition, or other unworthy impulses, thou seekest to cast at the feet of men the vast and beautiful efflorescence of thy own mind shouldst thou find all things around thee conspiring to check and destroy thy imperative development.

"Thou wilt expand and grow and put forth beauty after beauty; and lo! men will wonder at thee, but seek to destroy thee. Harsh winds will blow their keen arrows into thy face; the crystals of ice will nestle in thy bosom to chill thee unto death; winged demons will probe thee with their stings and steal away thy perfections. Weep not, and murmur not! It is the law—the law of the star and the flower; of the clod and the nebula. If thou seekest thy own peace and comfort, hide thyself in the caves of the mountains, or the caverns of the ocean; repress all thy longings, check nature in its flight after the ideal; be content to live and not to grow; to exist but not to develop. But canst thou? No, alas! Nature is not

terminated by external circumstances—environment—or by inherent tendencies of the individual or species.

In fact fixity of type either in nature or under cultivation is a very difficult thing to attain as all seedsmen and plantmen well know. The fixity which appears to exist in nature and which is responsible for the existence of so-called species is the result of certain limiting forces working in conjunction through countless generations. Break up this deadlock and the species almost invariably throw off varieties—a convenient term for indicating a departure from the parent type.

From what has been said it will be evident that I consider a sport simply a marked variety or variation, which may appear as a distinct individual or as a part of an individual during its period of existence, in which case for purposes of distinction we are pleased to call the latter a bud sport or variety.

Sporting then may be encouraged by extreme conditions. Either extreme feeding or extreme poverty may induce plants to sport. Severe changes in climate or soil conditions may result in decided changes in stature, habits of growth and fruitfulness which are as marked attributes of a sport as are changes in the color or foliage or fruit.

Burpee's Dwarf Lima bean is a good example of a sport where the habit of the plant was markedly changed. The white and fancy sports of the Lawson carnation are good illustrations of changes in color. Just here I wish to



BOUGAINVILLEA SANDERIANA.—Fig. 5.

The Sweet Pea.

Many admirers of that sweetest and most beautiful of summer blooming flowers, the sweet pea, have experienced utter failure in trying to grow it. The thrifty, rapid growing vines seem to promise an abundance of flowers, but, on the contrary, only a few small blossoms appear in the whole season to repay the gardener for the tender care he has given them. It is sometimes difficult to say just what is the cause of this failure, but perhaps the following notes may help solve the question for some unsuccessful growers.

Perhaps the most frequent cause of failure is that the seed is not started early enough in the spring. Just as soon as the ground can be worked, even though it be still somewhat cold and wet, the seed should be planted. If the field is well drained there is rarely any trouble about it germinating. From my own experience I should say that later planted peas are generally a failure. This last season bare spaces in the rows were replanted two or three weeks after the first sowing, and although the plants received exactly the same care as the others, and the vines grew very tall, only a few imperfect flowers were borne on them.

The soil best suited for the sweet pea is a rich, light, sandy loam. With me the vines never get to be more than five or six feet tall but are covered with flowers throughout the season, bearing as many as the best of those growing twice as tall. Beginning to flower when only a foot high, they continue to flower long after those on a heavier soil have passed.

Having no way to water them in dry weather, I find it very necessary to have them rooted deep in the ground. Before the seed is planted a large furrow is made with a two-horse plow, going twice in the row. Wood ashes are then applied and thoroughly raked in. The

seed is scattered nearly the width of the furrow and covered with an inch of the driest earth. As soon as the plants are all up, in two or three weeks, the filling in process begins, and continues until the plants are slightly hilled up. In this way the soil never becomes dried out deep down around the roots of the plants.

Constant cultivation should be kept up throughout the season, but when the plants become full grown and the roots spread considerably, care should be taken not to cultivate too deeply. If the roots are disturbed all but the very smallest of the buds will blast, turning yellow and dropping off. Even then, however, one need not be discouraged, as new buds will form and the vines will later produce larger, finer and longer stemmed flowers because of the rest they have had.

In order for sweet peas to do their best, a great deal of fertilizing is necessary. The ground should be well manured the year before, but if too much is applied in the spring a large growth of vines will be the result. Besides having the ground well enriched before planting, frequent top dressings of different fertilizers should be applied. Wood ashes are always beneficial, supplying the two most needed elements, potash and lime, and may be applied often and in large quantities. Nitrate of soda and cotton-seed meal may be used sparingly to induce a better growth of vines. Hen manure is also valuable for the same purpose. Even late in the season an application of one of these fertilizers, hoed into the soil, gives new life to the vines and improves the quality of the flowers.

After trying various kinds of supports for the vines, brush, with me, has proved the most satisfactory. The vines do not like to climb on wire as well, and string, though cheaper than either brush or wire, is apt to sag and let the vines down. The brush should be cut in the winter or early spring when there are no leaves on them and if they are left on the ground until



EASTER PLANTS.—Fig. 6.

used they become flattened so that the branches will not sprawl out into the row when set.

As to the method of gathering the flowers, pulling them from the vines is the easiest, quickest and best way. Flowers picked in this manner keep longer than those whose stems are cut. After a little practice it is only rarely that the vines are torn. From my own experience the past season, I would especially recommend the following newer varieties of sweet peas: Lady Grisel Hamilton, superior to Countess of Radnor in color and size of flower; Josephine White, an extra early and continuous bloomer; Lovely, better color, form and substance than Katherine Tracy; Miss Willmott, the largest and finest of the orange-salmons; Jeanie Gordon, large and fine flower and productive; Florence Fraser, no larger flower than Blanche Ferry, but superior in length of stem.

ARTHUR W. HIGGINS.

Dwarf Growing Azaleas.

The dwarf growing azaleas of which Firefly is a widely known example have been gaining rapidly in popularity as Easter plants in New York and other floral centers. So great has the demand in this country become that all the sources of supply of this brilliant crimson and the pretty pink companion variety, Carl Enke, are taxed to their utmost to fill orders. Illustrations of these two varieties are given herewith

and accompanying them is one of a Japanese variety, Hinodekiri, which gave excellent satisfaction to the New York trade for Easter last year. Hinodekiri is crimson, slightly lighter in tint than Firefly. As the picture shows, the flower is less campanulate in form than Firefly. It is a very profuse bloomer and is said to be hardy—more so than the well-known *amœna*. An ordinary bloom of Simon Mardner is shown in one of the pictures in order that the comparative size of the bloom may be clearly perceived. The Japanese are sending over a white-flowered companion for Hinodekiri, named Shiragiri, and a pink-pencilled one named Azuma-Shibori. In Japan, *Azalca amœna* is known as Hatzugeri.

Paris Letter.

We believe we are now over the coldest part of the winter. Our gardens around Paris are already brightening with flowers of the *Eranthis hyemalis*, snowdrops, crocuses, *Primula elatior*, forerunners of spring. Well exposed hyacinths and daffodils are showing their buds, soon to be followed by the flowers of *anemone fulgens*, *Triteleia uniflora* and such early bloomers. Many singing birds are heralding the coming of our beloved spring. In America, where seasons come on very suddenly and cold changes rapidly to warm weather, it is not easy to form any conception of the pleasure enjoyed in this latitude by the growth and progress daily made

from now until May—*joli mois de Mai*, as the French say. When the spring is not too wet it is really our most charming season. On the whole and with only a very few short cold snaps, our winter has again been very mild.

RIVIERA FLOWERS STRUCK BY FROST.

One of these snaps, lasting but four days, was the worst ever known in the south of France. The first night it caused considerably more damage on the whole Riviera, which enjoys the same climate as the southern part of California, than all the winters extending over a great period. The florists alone lost not far from \$1,000,000. In that favored part of France, weather had been warm and springlike until the end of December, the day temperature ranging from 55° to 60° in the shade, with only five or six wet days from October to New Year's day. Vegetation had therefore been two weeks ahead of time. On the first of January, while people were enjoying the holidays, the thermometer suddenly sank to the freezing point and during that night dropped in some exposed parts to 14°.

One can imagine the havoc played under such unexpected conditions among the unprotected roses, carnations, heliotropes, bougainvilleas, and even among the plants sheltered with matting or glass. The flowers grown for the florists' trade as well as many of the delicate, sweet-scented blooms used for distilling as a base in perfumeries, all disappeared in one night. Those of your readers who ever visited the tropical garden at Monte Carlo with its unique collection of stately palms growing in the open, will regret to hear that some of the rarest specimens have taken on a sad look and may never recover. The same as in California, slight frosts, due to intense radiation during clear nights, are not unusual, especially in the unprotected districts, but never had such a severe frost extended over the whole region, including the well sheltered Beaulieu.

To give an idea of the extent of the damage caused to the growers, it may be stated that the number of boxes of flowers dispatched early from Antibes dropped from about 1,000 to little over 100; the number of those sent from Cannes from 1,600 to 800, and those shipped from Nice dropped from 3,000 to less than one-third. The smaller growers who use rudimentary protection, such as light screens of canvas, heather or reeds, and even those who use somewhat improved structures—such as low rows of glass frames, supported by a single central rail and sloping almost to the ground, while the lower part of the sides is made tight with straw, heather or seaweed—were the greatest sufferers. They had no flowers to fall back on and many who are not in a position to replace their stocks will be ruined. The larger cultivators who use glass houses proper, although they are seriously crippled, will not suffer so much, as they could dispose at double or treble their value the flowers they had saved.

Roses such as Ulrich Brunner, Paul Neyron, and Caroline Testout, jumped in one day from \$1 to \$3 per dozen and violets from 70 cents to \$1.50. Safrano roses, the leading open air kind, and which gives the largest money return, with its beautiful conical buds, known here as "Nice's roses," could



DWARF GROWING AZALEAS.
(Azalea Carl Enke.)



Azalea Firefly.



Azalea Hinodegiri.

DWARF GROWING AZALEAS.

not be found on the market after the severe frost at any price, nor could Mme. Falcot. It is unfortunate that our northern forcers, owing to the sharp competition of the southern grown roses, had to give up rose forcing some years ago; they would have made money this season. Even at the present date roses are very scarce and bring \$2.50 a dozen for common quality flowers. The white and yellow marguerites, which are grown in immense quantities and are usually sold pretty cheap, brought 20 cents a dozen flowers.

The lack of flowers consequent upon the abnormal frosts caused a great perturbation in our Parisian as well as the foreign flower trade, which depend mainly on the flowers from the Riviera for their winter supply. Some of our commission flower merchants had to close their shops on account of the scarcity of flowers and their enhanced values. The disturbance, however, was not so considerable this year as it would have been in normal seasons. The receptions of the society people at Nice, Mentone, Beaulieu, etc., were fewer in number in consequence of the Russian war, and the shutting up by our government of the congregations, convents, chapels, etc., which used to buy very large quantities of flowers for decorations, also decreased immensely the demand for white flowers, especially white marguerites.

NEW POTATO—*Solanum COMMERSIONII*.

A good deal has lately been said of the Uruguay wild potato, *Solanum Commersonii*. I must at once state, for the sake of novelty hunters, that it is not an entirely new tuber. It was discovered as early as 1767 near Montevideo by Commerson, accompanying Bougainville in his trip around the world. Dr. Petit found it in 1841 on the sandy dunes of La Plata. In 1882 Ohrend, a French marine doctor, visit-

ing Goritti island, at the mouth of the Rio de la Plata, found it growing wild, opposite the city of Maldonado. He brought home six tubers, which were grown by Mr. Blanchard, head gardener of the botanical garden at Brest. Mr. Blanchard afterwards sent a few tubers to Mr. Carriere, the horticultural writer and former editor of the *Revue Horticole*, who, believing it to be a new variety, called it *Solanum Ohrendii*. The result of the trials did not realize the expectation of the planters and the culture was abandoned. It was again introduced in 1896, through the consul of Uruguay at Marseilles, by Mr. de St. Quentin, who has had the tubers carefully grown since by Mr. Heckel, director of the botanical institute in that city.

In 1901, Mr. Labergerie procured some tubers from Mr. Heckel and after having grown them for a year or two found among the plants several variations, one with a purplish instead of a pale yellow skin, another with a whitish skin, and a third with a pinkish skin. These variations increased from the size of a hazelnut to that of an egg and lost to a marked degree the bitterness which was very objectionable in the type. They are also said to be more resistant to diseases, seventeen per cent. richer in starch, and to give larger yields, from four tons on dry land to thirty tons on swampy soils.

These assertions remain to be demonstrated by further experiments. If the improved tubers never prove a substitute for the true potato for human consumption, they are liable to form a valuable food for stock or, being rich in starch, prove an acquisition as an industrial plant on low, wet soils unsuitable for the potato and many other plants.

Botanists do not agree as to whether *Solanum Commersonii* from Uruguay,

or *S. Maglia*, from Chili, *S. verrucosum* from Mexico, *S. inmite* from Peru, may be considered as the wild type of *S. tuberosum*, our present Irish potato.

Those of your readers who wish to test the original type of *Solanum Commersonii* may procure tubers from Vilmorin, the seedsman in Paris. The soil which seems to be best suited to its cultivation is damp or even wet. It is as easily grown as the common potato, but as the suckers and tubers are produced near the surface, ridging is not desirable; a single hoeing when the shoots first appear is sufficient. Under our climate *S. Commersonii* is hardy and perpetuates itself by its underground root or by the tubers left in the soil, and subsequent planting is not necessary here.

The variations referred to are not yet in the trade. At the same time as Mr. Labergerie, Messrs. Vilmorin are growing some improved forms which are decided advances upon the old types and which they expect to introduce to the trade in the fall of 1906.

Now I must warn your readers against too much enthusiasm. Let them remember the picture published a few years ago of a large herd of cows feeding on a small field of sacaline. If anything is to come out of *Solanum Commersonii*, the fact that Vilmorin & Company have taken the matter in hand is a sure guarantee of no efforts being spared to perfect the plant, if in any way possible.

LITCHFIELD, ILL.—R. N. McPherson has decided to double the capacity of his establishment at a cost of \$2,500.

FAIRBURY, ILL.—Kring Brothers are erecting a new carnation house, 30 x 300 feet. They have altogether seven houses with a total area under glass of 45,000 square feet.

A New York Easter Basket.

This illustration of a plant basket arranged at The Rosary, New York, shows how effectively the Japanese azalea, Hinodekiri, which gave such excellent satisfaction in the New York market last year, makes up in combination with *Primula obconica*. The basket shown is one of a type that sold well in New York for Easter. It is made of natural hazel twigs. The sash used is crimson, matching the shade of the azalea flowers.

THE ROSE.

Preparing the Compost.

In regard to soil and the proper selecting and mixing of same for our forcing roses, I am inclined to think that many failures can be traced back to the wrong soil, too much manure, bone, etc. There can also be too little of most any of the fertilizers used and it is up to the rose grower to give this work strict personal attention and not to depend entirely on his help who may be laborers just taken on for this work, as I have witnessed on several occasions. Just "kind o' bang around" the soil pile until the work is completed and see if it doesn't pay.

At many of the larger establishments where American Beauty are grown extensively the soil is prepared in the fall for the early spring planting. The average rose grower does his planting during the month of June, and usually prepares the compost early in April,

which, taking everything into consideration, is about the best time to do this work. The manure will retain its strength for a longer period after housing, though some claim that the soil retains all the strength of the manure if piled up in the fall. There must be some of the strength wasted through evaporation unless under cover which is rarely the case.

First, select a place near the houses to be filled as this will save extra handling in filling the houses. The soil pile should be built upon a slight knoll so as to drain quickly, leaving no surface water next to the pile. Have the manure dumped in a ridge running the length you wish to make the soil pile. The manure should be turned at least twice and chopped quite fine. After everything is in readiness for the soil select for the own root stock, particularly American Beauty, the heaviest soil to be had, a good clayey soil full of fibre. For the grafted stock a gravelly or slightly sandy loam will be required; the Manetti takes very kindly to a more open soil. If this grade of soil cannot be procured the addition of a coarse grade of sand in making up the compost, if using heavy soil, will be a great help.

The soil to be used should be plowed as deep as the soil is found to be good, plowing only enough at one time to be used up before it becomes dry. It can then be handled in larger pieces loaded by hand and much time saved. If too dry the sod will break up easily, causing double the amount of work in loading and stacking.

In starting to build up the pile it would be advisable to make it only ten or twelve feet wide, gradually tapering to a ridge; it can be built up six or seven feet high as it will settle considerably. For own root stock add one-fourth grain fed cow manure. If swill fed cow manure is used use almost a third. If cow and horse manure mixed is to be used the horse manure should not exceed one-fourth of the amount of manure used and a far better compost is made, using cow manure alone. The addition of sheep manure will be a benefit, using it mixed with the cow manure, say one part sheep to three parts cow manure. For grafted stock or American Beauty a little more manure can be used.

A good plan is to start with the sod grass side down making the outer wall with the larger pieces of sod. Make each layer about nine or ten inches high, filling in the center with the smaller pieces of sod, and finishing up the layer with the loose soil. We usually, before throwing on the loose soil, scatter a little ground bone over the sod, using the loose soil to cover the bone, then the manure which should be spread evenly and brought out to the extreme edge of the sod. The sides of the pile should be almost perpendicular until within about two feet of the finish which should taper to a point finishing with the fine soil packed hard. If the soil is piled up in this manner it seldom becomes too wet to handle and if stacked up by April 15 it will be in excellent condition for housing by June 15.

If sand is added to lighten the soil for grafted roses about half an inch to each layer of heavy soil will be sufficient, but this must be a matter of judgment of the handler of the soil, more or less. As there are so many kinds of soil it is impossible to go by a set rule; if, for instance, the soil is a little too light for roses, if heavy clay, common brick or puddling clay, is added, it can be brought up to a good grade of rose soil, providing the soil is of a good grade. Good results are obtained by spreading the clay over the sod in the field during the fall and after lying all winter it will mix nicely by the time it is handled and ready for housing. If the sod is procured from low meadow land and inclined to be a little sour, air slacked lime can be spread on the ground in the fall, or mixed into the compost in small quantities to the layer, or sprinkled through the sod, as it is being piled up. This will also destroy a great many worms found in the manure. Other suggestions in regard to handling the soil will be made in due season. E.

Diseased Rose Buds.

ED. AMERICAN FLORIST:—

What is the trouble with my roses? The buds before they are half open are a little green and scrubby. I use rich soil and when the new shoots come out from the bottom they grow tall and healthy. The varieties are Bride, Bridesmaid and Kaiserin.

J. K.

In reply to "J. K.," regarding the buds which turn green before they are half opened, it is hard to give a definite reason without knowing the general treatment the roses have been sub-



A NEW YORK EASTER BASKET.

(Azalea Hinodekiri and *Primula obconica*.)

jected to. If the plants are in a good healthy condition, the foliage of good color, etc., the buds may be crippled by excessive fumigating with tobacco stems or some other fumigating material. "J. K." does not say whether the Kaiserin, Bride and Bridesmaid are

feet. The temperature seldom goes below the freezing point and the sun shines nearly every day. What kind of a boiler would you recommend? Also what kind of fuel and size of pipes to heat same properly? SUNSET.

A hot water boiler using hard coal



LETTUCE GROWING IN STERILIZED SOIL.

grown in the same house or not, but if this should be the case, the temperature of the house to suit the latter would be too cool for Kaiserin, causing slow development of the buds which has a tendency to deform them. The buds will be of a greenish color, the petals having the appearance of tissue paper. This shriveled appearance of the petals is often caused by green-fly while the buds are very small. The punctures made then enlarge as the buds develop and the outer petals when the buds are fit to cut will have that scrubby appearance.

If the plants have been allowed to get bone dry at the bottom at the time of setting the buds, this will also cause deformed buds. "J. K.," after reading some of the causes, may be able to locate the trouble. Fumigate lightly once a week; try some of the fumigating papers now on the market; they are far superior to stems and they are cheaper, considering the results. If the Kaiserin are in a separate house from the Bride and Bridesmaid, try running them at a night temperature of 62° to 65°, and on bright days 75° to 80°, with the ventilators well opened, for the Bride and Bridesmaid 56° to 58° at night and 72° to 75° daytime. Try and keep a very even night temperature. This, with careful ventilating in the day time, providing the soil is right, and keeping it in good growing condition, neither too wet nor too dry, will bring on a crop of well formed buds. The canes that come from the base of the plant, if throwing deformed buds, may, and they usually do, make perfect buds after being cut down, leaving four or five eyes; from two to three buds will come with good stems if care is used in selecting the eyes left on the canes. E.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I have a lean-to propagating house running north and south, size 9 x 22

and adapted for a radiating surface of 120 square feet will be satisfactory. Two 2-inch pipes on each side of the house will be sufficient. Of course one should be a flow and the other a return. Other fuel may of course be used if cheaper. Another way would be to sink a small stove at one end and run a pipe for the smoke under the bench. L. R. TAFT.

TAUNTON, MASS.—A. E. Briggs is building a new workroom with all modern conveniences for florists' work.

YOUNGSTOWN, O.—Charles Seigel has purchased five acres of ground at Kyle's Corners and will soon move his greenhouses there.

TOPEKA, KAN.—The State Horticultural Association has provided for a state inspector of nurseries and Governor Hoch has named S. J. Hunter, of Lawrence.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 8 were as follows: New York, cucumbers, No. 1, \$1.25 to \$1.50 per dozen; No. 2, \$2.50 to \$3.50 per case; lettuce, 50 cents to \$1 per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, \$2 to \$3 per 100; tomatoes, 10 cents to 30 cents per pound; rhubarb, \$3 to \$4.50 per 100 bunches. Buffalo, cucumbers, \$1 to \$1.50 per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, \$2 per dozen. Pittsburgh, cucumbers, \$1.25 to \$1.75 per dozen. Detroit, cucumbers, \$2 per dozen; lettuce, 15 cents to 16 cents per pound. Denver, cucumbers, \$2 per dozen. Cincinnati, cucumbers, \$1.50 to \$1.75 per dozen. Kansas City, mushrooms, 45 cents per pound.

Notes and Suggestions.

VISIT OTHER ESTABLISHMENTS.

Those with similar business interests are profited by organizations and annual gatherings. It is also profitable to visit those working along similar lines to one's self. The market gardener, although willing at all times to give those interested the benefit of the methods whereby he gains by rotation, intercropping or some system of manuring in some particular crops, yet is often so busy that he cannot afford the time to write the particulars. A recent visit to a well conducted establishment disclosed some good ideas which we hope to put to practical use. Perhaps one of the most notable features was the way the cold frame and garden produce had been grown so as to be at their best when similar crops in the greenhouses were declining or were to be superseded by other crops. Strings of lettuce in the hotbeds and cold frames sufficient to cut from 100 to 500 heads per day were forthcoming until the garden produce was ready. Large plots of spinach emerging from the winter protection of salt hay in fine condition furnishing a dozen barrels a day.

A further consideration in wintering over spinach was the drainage afforded



LETTUCE GROWING IN UNSTERILIZED SOIL.

by plowing a furrow about every ten feet, thus affording the spinach well drained beds conducive to earliness. The storage of roots and celery, for which special sheds were built were of interest, and we hope at some time to describe their particular plan and con-

absolute cleanliness of surroundings, fresh soil and many matters of cultural detail—such as keeping the plants absolutely healthy from the seed box to maturity, by surrounding them with conditions conducive to rapid and healthy growth—are essentials. Further-

exactly the same manner, in the same house, and photographed at the same time. The gain in weight was over thirty per cent in favor of the sterilized soil. It would seem especially desirable to use sterilized soil when sowing seed, as often the plants become infected at this stage, although the fungus does not develop until valuable time has been wasted. Further illustrations in growing lettuce and melons from seed in sterilized and unsterilized soil will be interesting to the readers of this department.

MUSKMELONS.

We do not suggest this as likely to enrich the market gardener who undertakes it; nevertheless there are times when special trade demands a fancy article in muskmelons in the early spring months. The illustration shows the domestic article, the outdoor American varieties Rocky Ford and Paul Rose. To say they were far superior to the outdoor grown, as we in the northern states understand it, is indeed mild; they were simply delicious.

Growing muskmelons in the early spring months does not present any special difficulty, as everything is in favor of rapid plant growth. The plants in the illustration were sown February 5, potted in 4-inch pots February 24, and transplanted into the beds March 8. The first gathering of fruit was made May 21, the last June 21. More thinning of the vines would have been advantageous, and six or eight fruits are sufficient for each vine to carry to advantage.

Muskmelons require a warm temperature and should not be exposed to sudden and extreme changes in that direction. The house and benches usually employed for cucumbers or tomatoes are suitable for their successful management.

FRANCIS CANNING.

BATAVIA, N. Y.—Ernst Woelkner, gardener for M. O. Dennis, was killed at Erie, Pa., by a street car March 11.

LANDER, WYO.—Professor B. C. Buffon, of the Wyoming State Horticultural Experiment Commission, was a recent visitor and consulted with Ed. Young and John M. Hornecker regarding the plans for the new horticultural farm.



Sterilized.

Unsterilized.

LETTUCE SEEDLINGS IN STERILIZED AND UNSTERILIZED SOIL.

struction. Lettuce houses were being transformed into cucumber houses either by setting plants or sowing seed. In either method the ground was trenched and afforded some hotbed material to give them a start. In convenient places throughout the house beets were transplanted some six or eight inches apart, where they will develop nice bulbs in a short time. A successful method of garden intercropping is followed in sowing the onions to have every third drill celery. This was accomplished by using two seed drills for onions and one for celery. This plan with the enriched and clean condition of the field has been uniformly successful.

The market gardener at this season in many cases will find it necessary, in order to fill the wants of his best trade, to have celery on hand. Fine celery is imported from California, and while there may not be any profit in handling it, the fact of having a continuous supply will in all probability have its own influence for good.

LETTUCE AND SOIL STERILIZATION.

A few years ago it was not unusual to hear of a lettuce grower losing an entire crop representing hundreds of dollars, or perhaps his all, through no fault of his own so far as cultural methods, as he understood them, were concerned. In most cases it was brought about by the presence of a fungous disease which attacked the lettuce plants when growing under the prevailing conditions at that time. It developed that many soils and manures contained these fungi, and as the construction of many lettuce houses was not of the best character as regards light and ventilation, and the methods of cultivation not so well understood, the plants were often placed in the environment suitable to the attacks of harmful fungi.

The experiment stations promptly set to work to discover the methods of controlling these diseases, and with what success market gardeners can well

appreciate. The gist of the experiments have shown that modern greenhouses, more, soil sterilization, by which all germs of disease, weeds and insects are destroyed, has been worked out to a satisfactory practical basis, which is now fairly well understood by the average market gardener.

It was pertinent that the interests of the Massachusetts growers were looked after, as indoor vegetable growing is an important industry in that state. Prof. G. E. Stone of the Hatch Experiment Station, Amherst, Mass., has investigated the matter thoroughly and his experiments have been profitable and timely. In his soil sterilization experiments he has invented methods of sterilizing soil in the beds which renders unnecessary, to a certain extent, the removal of the soil each year. Furthermore, he has demonstrated that lettuce can be grown quicker and with a more certain degree of success. We present herewith the results of one experiment with sterilized and unsterilized soil. The plants were grown in



Unsterilized.

Sterilized.

MELONS IN STERILIZED AND UNSTERILIZED SOIL.

Dahlias.

The dahlia, despite its so called commonness, is destined to a much longer reign of popularity than some persons predicted, and may not its former commonness contrasted with its present comparative uncommonness have not a little to do with the increasing favor with which it is held? The old show and fancy dahlias were all very well in their day and generation but they almost disappeared temporarily to give place to things of more utility, a quality lacking in the old fashioned dahlias.

The advent of new types changed all this, however; the cactus dahlia of today is as unlike (if not from the gardener's at least from the florist's point of view) the old dahlia as the Chinese pink is from the Lawson carnation. The show and fancy dahlias did very well for planting in the border to look at in bloom but were of very little use as cut flowers, whereas blooms of the cactus dahlias can be used to great advantage in numerous ways and for numerous purposes. The ease with which they can be grown adds to their value as a source of supply when large quantities of cut flowers of given colors are known to be needed where facilities for growing other kinds of flowers are lacking. Not only are the cactus dahlias suitable for cut flowers but the decorative dahlias are also admirably suited for decoration. This can especially be said of the variety known as Catherine Duer. This is a beautiful brilliant scarlet dahlia with a strong stem and fine foliage, making it an ideal flower for florists' work in baskets and dinner table decoration. Besides these qualities, plants of Catherine Duer in the garden have an at-homeness about them that no others have.

Another type of dahlia that seems destined to closely rival the cactus is the single, and this is so for the same reason that the cactus outstripped the decorative and others because of its grace and usefulness. A big bunch of single dahlias gathered even promiscuously is not to be sneered at, but a bigger bunch of the Twentieth Century type of single is still more to be prized. And here again we have something equally suitable for border planting as for cut flower purposes. Another and by no means the least evidence of the acknowledged commercial value of the dahlias is the issue by more than one grower, of catalogues, specially devoted to them alone.

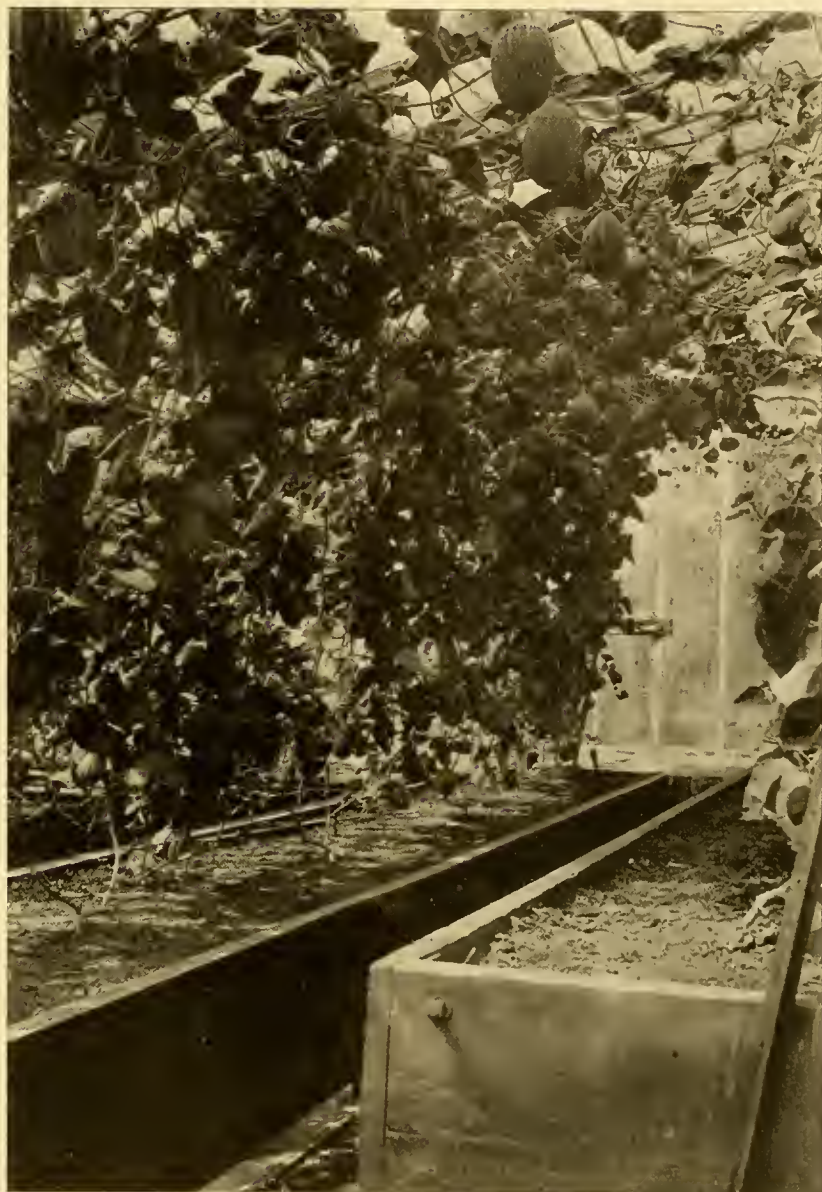
DAVID MCINTOSH.

Best Commercial Dahlias.

ED. AMERICAN FLORIST:—

What are the best varieties of dahlias to grow for cut flowers to be sold at wholesale? A. S.

In reply to the above, I would state first, that everything would depend upon the location, the most available markets and the class of trade. Many varieties of dahlias can be grown and sold profitably at 50 cents per 100, providing there is a nearby market and they can be sold in quantity. On the other hand, varieties like Mrs. Roosevelt, Grand Duke Alexis and a number of other finer sorts, cannot be grown profitably at their best and shipped to market under \$10 per 100. Of course, in speaking of their best, we mean



AN EARLY SPRING CROP OF MUSKMELONS.—See page 528.

flowers 5 1-2 to 7 inches in diameter, well grown, well colored and on two to four foot stems. Where the trade of the country will warrant it, the New Century single dahlias are most profitable. Our flowers of this type have never been sold by Samuel S. Pennock of Philadelphia at less than \$4 per 100, a very good price for single dahlias, considering the fact that the Centuries are among the best bloomers.

In addition to the Centuries in the singles, we have the pure white, D. alba superba; yellow, St. George and Gold Standard; dark, Blackbird; Ami Barrillet, flowers garnet, with purple foliage; pink, Mollie, Gracie and the Fairy; scarlet, Wildfire. The cactus dahlia would be the most valuable class if they carried better or kept better after being cut. There is, however, a new race of these of which Kriemhilde is the leading type. Kriemhilde is a beautiful clear pink, tinting lighter toward the center petals, of fine form, has good stems, and holds its flowers well erect; Mrs. H. J. Jones, a fancy cactus, crim-

son with a white stripe, on the same order as Kriemhilde, excepting a little better stems, a little freer bloomer and better form; Mars, scarlet cactus, dwarf, branching habit, is a good keeper, has good stems, but not quite so long as the two first mentioned. We have no whites in the same class as a cut flower. The next best would be in the decorative, Perle d'Or. In the decorative, we also have Mrs. Roosevelt, delicate pink; Sylvia, a heavier form of Nymphaea, therefore will carry much better, and is a valuable acquisition. Eureka, a deep rosy; John Elitch, dark crimson; Lyndhurst, brightest scarlet; Clifford W. Bruton, yellow. Nymphaea, when well grown, still the most beautiful and valuable for nearby markets.

In show dahlias White Dandy and Pink Dandy outclasses all others in white and pink. A. D. Livoni is a close second to Pink Dandy, being an early bloomer but shorter stems, and does not hold up to the same standard late in the season, whereas Pink Dandy retains its full high center, long stems, and larger

size until killed down by the frost. Other show dahlias that are especially valuable for cut flowers are Emily, white and rosy lavender; Camellia flora, pure white; Fanny Purchase, pure yellow; Client, bright red; Queen of the Belgians, delicate pink; Purity, pure white; Queen of Yellows and Queen Victoria, yellow; Red Hussar, bright scarlet. In Pompons, Alewine, white suffused pink; Catherine, pure yellow; Sunshine, bright scarlet; Red Piper, crimson scarlet; Snowclad and Alba imbricata, pure white.

L. K. PEACOCK.

Bedding.

Although for a number of years carpet bedding has been on the wane the Italian style of flower garden so much in evidence makes the demand for the class of plants formerly required for carpet bedding as great as ever, and after all, it is questionable if the use of dwarf growing foliage and flowering plants did not look just as well planted on the surface as they do when planted in big holes, as many of the Italian gardens we see are nothing more. Perhaps the lines, minutely and geometrically drawn in carpet bedding gave the appearance of too much artificiality to the whole, thereby detracting from the natural beauty of the individual plant and this was usually intensified by the necessity of clipping made necessary when the lines had to be kept defined. But even then it will be seen that it was not from want of merit in the material used that made carpet bedding a thing of the past; it was the stiffness and unnaturalness of their arrangement that was responsible for it.

Alternanthera, in its many varieties, planted in masses, each variety by itself, adds brightness and color that few other things can add in so short a time. Echeverias also can be advantageously used in many places even where there are no carpet beds. It is true that in recent years planting has been done more with a view to the effects produced by the flowers, rather than the foliage, and the various dwarf begonias, especially of the Vernon type, have given much scope for the development of this idea. Lobelia, too, is now used with more assurance of safety than formerly; both of these are well suited where dwarf growing plants are required but where this is not a necessity gorgeous masses of flowers can be had from the use of tuberous begonias. Besides the use of these have also to commend them that they can be kept from year to year with very little trouble, which is a considerable consideration especially on places where the glass covered space is limited.

D. M.

Geraniums Late in Blooming.

ED. AMERICAN FLORIST:—

Last spring I had a nice lot of large geranium plants which did not bloom until about June 15. What shall I do to have them in bloom by May 15?

C. B. T.

We should say that the reason the geraniums were so late in coming into bloom, was that they were over-potted and had not filled their pots sufficiently with roots. In order to get geraniums to bloom nicely, it is necessary to time

them properly and it is also necessary to study the different varieties as to the length of time they require to perfect their trusses after potting. Notes made from year to year are the best means of knowing when to pot up for spring sales. There is one thing about growing geraniums that should be noted, viz., after the pots have become filled with roots it is necessary to space them, allowing the air free access around the plants, and then to administer light doses of liquid fertilizer. If extremely fine blooms and trusses are sought for, a half-teaspoonful of Clay's fertilizer applied to the top of the soil of the pots, once a week, will bring gratifying results.

E. G. HILL.

Yucca Filamentosa.

As a stately, noble, hardy flowering plant, that answers the purpose of a most desirable perennial, although it is practically an evergreen, there are indeed few plants that can surpass the baer's grass, or Spanish bayonet, *Yucca filamentosa*. The accompanying illustration shows what a beautiful garden, or park picture, a bold group of it makes when it is placed against a good background of ornamental trees.

The long lance shaped, sharp pointed, dull green leaves, radiating from the crown of the plant, have pale thread-like attachments on their edges. It comes into bloom about the first of July, a time when flowers are not at all abundant. The large, much branched, candelabra-like panicle, with a central axis, sometimes five to seven feet in height, is thickly set with the creamy white bell shaped flowers, and sometimes they are slightly tinged with green on the outside. The effect of a group of this plant in full bloom on a moonlight night is most entrancing.

Yucca filamentosa is not known in a wild state north of Virginia, but it is perfectly hardy in New York state and without protection. It thrives best in stiff, well drained soil, with full exposure to the sun. It rarely sets or ripens seeds with us, and that is due, we believe, to the absence of the proper insects that accomplish the fertilization

of the flowers in the south. Propagation is effected by division of the roots.

Yucca angustifolia from the Mississippi valley, a very neat, but smaller flowering species, blooming a little earlier than the former, has nearly the same degree of hardiness and is well worthy of cultivation.

JOHN DUNBAR.

Law Note.

BUYING ORCHIDS FROM ILLUSTRATIONS.

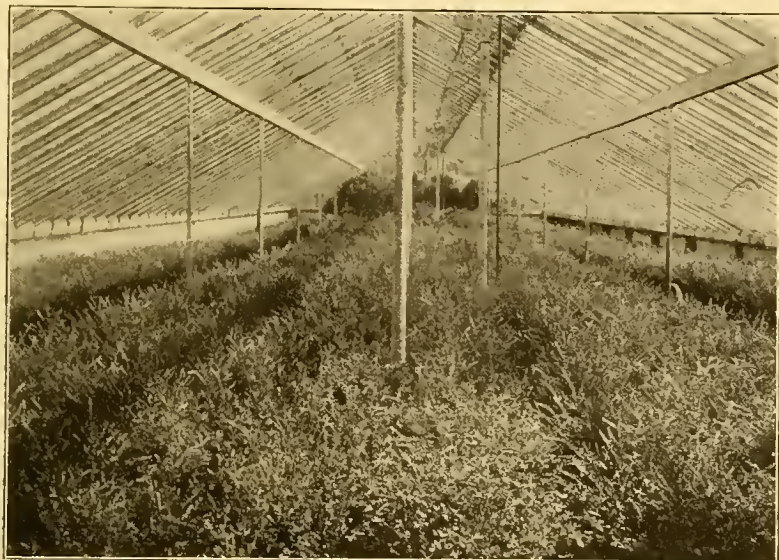
The Belgian Tribunal of Commerce is at present sitting in judgment on a case which interests orchid lovers, and particularly English orchid growers, who anxiously await the final decision. An English amateur bought from a firm near Brussels five small plants for 30,000 francs (about \$6,000), which were alleged to be rare varieties of *Odontoglossum crispum*. The plants were not in flower at the time of purchase, and, according to the general custom, the contract was made on the strength of certain water color drawings purporting to be correct reproductions of the five plants when in flower. In due course the plaintiff found that the flowers of the orchids he had bought had none of the superior qualities represented by the water color drawings, which formed the basis of the contract.

The English amateur, through his counsel (M. Maurice Frison), asked the tribunal to decree the cancellation of the contract, alleging the non-existence of the rare qualities and the superior points which were asserted to exist by the seller at the time of the purchase. He (the amateur) considers that the orchids sold to him were not worth a tenth part of the price paid, and alleges that the water color drawings which were submitted to him were not truthful reproductions, but merely fancy pictures.

M. Wauwermans, for the defendant, pleaded that the orchids might have been changed, if not by the plaintiff, at least by one of his staff, and that, under the circumstances, it is impossible to admit a cancellation of a sale regularly entered into by both parties. —Gardeners' Chronicle.



YUCCA FILAMENTOSA IN HIGHLAND PARK, ROCHESTER, N. Y.



HOUSE OF GENISTAS AT R. DREYER'S, WOODSIDE, N. Y.

WITH THE GROWERS

R. Dreyer, Woodside, N. Y.

Great preparations for Easter have been made at the Dreyer establishments at Woodside and Newtown. At the former are several houses of lilies in good shape, and a house of genistas which look particularly promising. While the proprietor is just "betwixt and between" the abandonment of the Woodside houses and the expansion and completion of the Newtown establishment, the Easter trade has been well provided for, and the stock is as large as ever. At the Newtown plant are some fine houses of hydrangeas the full blooming of which for Easter is assured. *Ficus elastica* is also in excellent shape most of the plants being of "specimen" quality.

Mr. Dreyer was an early believer in *Nephrolepis Scottii*, and the stock of this fern is looking excellent. He says its great productive qualities have been well demonstrated in his houses. Small ferns, and palms of different varieties are to be seen here in fine condition.

John Miesem, of Flushing, L. I., has a large stock of lilies for Easter. He has given particular attention to *Lilium giganteum* this season, and judging from the few flowers which have already shown the quality of the growing, he will have a crop of this variety grand in quality. *Lilium multiflorum* and *grandiflorum* are also to be seen at this establishment in excellent shape for Easter. Azaleas, spirea, hydrangeas, and some genistas are also in prime condition.

Paul Brummer, of Corona, L. I., will have a large stock of daisies for Easter, and quite a few azaleas.

A. C. Canfield, Springfield, Ill.

The plant of A. C. Canfield, the only exclusively wholesale greenhouse establishment in Springfield, is an interesting one. It is all new, covers 46,000 feet of glass with fourteen houses, and is a place of novelties and clever arrangements. One of the latter is the use of two large cisterns holding 25,000 to 30,000 gallons each to supply water for

the greenhouses. City water is also at hand but the cistern supply is preferred, and a big steam pump gives an unusual pressure which is found extremely useful in keeping the stock free from insects and disease. Roses and carnations are grown almost exclusively in the plant. There are a few ferns, but they are to be cleaned out as rapidly as possible.

Steam heat is used and Mr. Canfield wishes to warn growers against the seductions of the "internal furnace" boiler. He has one which he declares worthless. An old fashioned tubular boiler is his reliance. His houses are all of iron frame construction, and between the wide ones used for roses, narrow ones for carnations are built. This method gives great heat economy. Novelties in both roses and carnations are tried out here. A house of Liberty, which has proved an excellent summer rose, but a troublesome winter variety is to be replaced with the new Richmond. A house of General MacArthur has given surprising results. It is on

grafted stock, and Mr. Canfield thinks it much better than own root plants. The amount of blooms produced is marvelous. The crop keeps up well all winter. The blooms did not sell well in St. Louis, where novelties, in Mr. Canfield's experience, are not very popular, but in Chicago, where red roses were scarce, \$1 a dozen for 12-inch stemmed stock was easily obtained.

There are three houses of American Beauty and one and one-half houses of Bride. The other staple roses are grown and Joost, Enchantress, Boston Market and Lawson carnations fill five houses. Nelson Fisher is highly esteemed by Mr. Canfield. Flamingo sells at high prices, 4 cents a bloom being obtained for it in St. Louis when Lawson and Enchantress were selling for 3 cents, but last winter the flowers were too scarce to make it pay. The first flowers were obtained in February.

Sunbird, Marquisee's new yellow, is considered an excellent acquisition by Mr. Canfield. He will not build this spring, he says, as his present plant covers all the available ground. He recently severed his connection with the firm of Brown & Canfield, which conducted the principal retail store in Springfield, in order to devote all his time to the growing end of the business, and will aim at high quality more than at quantity. B.

Hinode Florist Company.

The preparations for Easter business made at the two establishments of the Hinode Florist Company, Woodside and Whitestone, L. I., have resulted in a fine stock. The lily stock aggregates about 25,000 pots, and the stock of other seasonable plants is quite generous. Crimson Rambler roses, from grafted stock, are seen at Whitestone in splendid shape. Some of the bush specimens are among the finest to be seen anywhere. Hydrangeas also look particularly well, and azaleas, genistas, spirea, and bulbous stock are mute testimony of the care bestowed on them during growth. Dwarfed Japanese plants are, of course, in evidence here, and the collection numbers some fine specimens.



BENCH OF HYDRANGEAS AT R. DREYER'S, WOODSIDE, N. Y.

Florists' Executive Board Meets.

The annual meeting of the executive board of the Society of American Florists and Ornamental Horticulturists was held at the New Willard hotel, Washington, D. C., on Tuesday, Wednesday and Thursday, April 4, 5, 6, 1905. In the absence of President J. C. Vaughan, Vice-president J. R. Freeman occupied the chair. There were present also ex-president Phil. Breitmeyer, Treasurer H. B. Beatty, Secretary Wm. J. Stewart; directors, H. M. Altick, Theo. Wirth, W. H. Elliott and E. V. Hallock; ex-presidents, Wm. R. Smith and W. F.

phia, on "Landscape Gardening" or a kindred subject; one on "Helps to Floriculture in the South and Southwest" (not yet assigned), and on "American Bulb Growing," by Prof. A. J. Pieters. In addition, a competition is to be arranged for, and prizes will be offered by Treasurer Beatty for the best essays on the subject of "The Ideal Employer."

BOARD FAVORS GREATER PUBLICITY.

The consensus of opinion of the board favored a policy of broader publicity in the society's work, closer affiliation with the daily newspapers

George H. Cooke, recommended by the Washington Florists' Club, was duly appointed superintendent of the exhibition.

Wednesday afternoon was set apart for the bowling tournament, and Messrs. Phil. Hauswirth and John Westcott were appointed to act with the local sporting committee. The bowling alleys selected are located on 8th and E streets.

RESOLUTIONS ADOPTED.

The following final resolutions were unanimously adopted:

We, the members of the executive committee of the society of American Florists and Ornamental Horticulturists, in meeting assembled, regret the circumstances that have made necessary the absence of our president, J. C. Vaughan, and that we could not avail ourselves of his experience and wisdom in the deliberations of this committee.

We wish to state, however, that his place was most ably and satisfactorily filled by our vice-president, J. R. Freeman, and we hereby wish to express to him our appreciation of his many kindnesses while in and out of the chair.

We wish to extend our heartfelt thanks to each and every member of the Washington Florists' Club, and especially to the accomplished president, W. F. Gude, for their untiring kindness and courtesies, and particularly for the delightful entertainment with its most beautiful decorations.

And further, to the management of the New Willard hotel for their courtesies, and to the daily press for their full and accurate reports of our meetings.

Finally, the committee is greatly impressed with the great work the Hon. James Wilson, Secretary of Agriculture, is doing along all the lines of horticulture and the willingness of this department to co-operate with this society in every possible manner; and for the individual interest shown by Prof. B. T. Galloway during our stay.

WM. J. STEWART, Sec'y.

Illinois State Florists' Association.

An important victory for florists of Illinois was won by L. Coatsworth, P. J. Foley and James Hartshorne before the appropriation committee of the state house of representatives at Springfield, Ill., April 12. The bill recognizing the Illinois State Florists' Association, and providing that the experiment station of the university at Champaign should begin an investigation of the best methods of growing greenhouse flowers and vegetables, heating and constructing greenhouses, and growing ornamental outdoor plants, the cause and cure of fungous diseases, the methods of killing insects that attack these plants, etc., was reported to the house, with the recommendation that it pass. The amount of the appropriation was cut from \$30,000 to \$15,000, \$10,000 being provided for the first year and \$5,000 for the next, instead of \$20,000 and \$10,000 respectively. This is not considered a great reduction, however, when compared with the treatment other requests for appropriations have received at the hands of this committee, which is establishing a record for economy.

Mr. Foley made a speech which con-



HOUSE OF CRIMSON RAMBLER ROSES AT THE HINODE FLORIST COMPANY'S, WHITESTONE, N. J.—See page 531.

Gude; Prof. Galloway of the U. S. Department of Agriculture and Secretary Moseley of the Inter State Commerce committee.

SOCIETY IN PROSPEROUS CONDITION.

The report of the secretary indicated a continuous prosperous condition in all departments and the treasurer's report showed the largest cash balance on hand in the society's history. Various committee reports were presented and approved. Prof. Galloway addressed the board on behalf of the Department of Agriculture, offering the cooperation of the department in the arrangements for the entertainment and instruction of the society at the convention next August.

TO HOLD CONVENTION IN AUGUST.

The program for the convention, so far as completed, provides for the customary opening exercises on the afternoon of Tuesday, August 15, and president's reception in the evening. Nomination and election of officers and other routine work of the society will share the morning sessions of Wednesday and Thursday, with several papers on subjects of interest, and the evenings of these two days will be devoted to stereopticon lectures under the auspices of the Department of Agriculture. Among the papers presented will be one by Oglesby Paul of Philadel-

and for fuller press reports than heretofore, and the dissemination of general horticultural information in every community of the country, particularly through the medium of the public schools. A bronze medal was appropriated to be placed at the disposal of Miss S. B. Sipe for award to the school children of the city of Washington for the encouragement of horticulture.

Favorable action was taken towards the appointment of a committee to report on the feasibility of preparing a concise and practical text-book for use by boards of education to be disseminated through the various florists' clubs.

The National Rifles Armory on G street, N. W., between 9th and 10th streets, was selected for the exhibition, the upper and lower halls to be used for this purpose, and the proffer of Carroll hall, adjoining, was accepted for the use of the society for its meetings. Should the exhibition overflow the accommodations in the armory, an additional hall is available in the Masonic building.

A fine special exhibit will be made by the Department of Agriculture, and a silver medal will be offered for the best display of cut flowers in vases. It was voted that the exhibition be allowed to remain open during the sessions of the society, as an experiment.

vinced the members that the cause of the florists was meritorious and that they needed help such as the state scientific department was extending to farmers and horticulturists. The action of other states in extending this aid to florists was pointed out and the prediction made that more scientific methods of growing would decrease the retail price of flowers. The bill now must pass the house, which it will do with little trouble, having the committee's approval, and then get through the senate, where it will have to undergo the scrutiny of another committee. The feeling there, however, seems to be favorable. B.

The White Fly.

ED. AMERICAN FLORIST:—

With regard to the white fly I wish to state that we have had some trouble with it on tomatoes under glass. I did not care to use hydrocyanic acid gas, so used ivory soap. I used two pounds of soap to twelve gallons of water dissolved by steam and applied while lukewarm with a powerful handpump and Stott nozzle in the afternoon. The result was a total extermination of the fly and a slight damage and check to the tomato plants, which were rather soft. The tomato plants have recovered nicely and the fly is not to be seen. This after thirty days. I also noticed that a good hoseman can keep the fly at bay; they dislike forceful water about as much as the mealy bug. I think one-half pound of the above soap would have done as well and saved all the foliage. FRED WINDMILLER.

[The Bureau of Entomology of the United States Department of Agriculture recommends hydrocyanic acid gas, but where the use of this is impossible or for some reason undesirable, sprays are recommended as follows: "Among the sprays, the best brands of whale-oil soap, used in the proportion of one to one and one-half ounces per gallon of water, have been found to destroy all of the white flies except the eggs, a small percentage of the nearly mature pupæ, and from twenty-five to fifty per cent of the adults which escape the spray by flying from the plants. It is not advisable to syringe tomato plants in greenhouses at any time, when avoidable, as syringing interferes with pollination and produces a damp atmosphere which promotes rot, but the injury by syringing may be as nothing compared with that which is caused daily by the insects. When the use of hydrocyanic acid gas is impractical, an all-night fumigation with a tobacco extract is recommended, followed during the next day by a syringing with a solution of whale-oil soap or its equivalent." Ed.]

Good Plants For Shady Places.

ED. AMERICAN FLORIST:—

What is the best annual or perennial to plant on the northwest side of house where there is not much sun? What is the best climbing annual to sow to cover a picket fence situation with plenty of sun? SUBSCRIBER.

Calendulas grow and flower in shady situations better than any other annuals I know. Calendulas are very easily grown; the seed can be sown in the open ground in the spring, where the plants are to remain and they will bloom very

early in the summer and continue in bloom until frost sets in. The calendulas vary in color from ivory to the deepest orange. The two best varieties are *Calendula grandiflora sulphurea* and *C. Ranunculoides*. In perennials for shady places there is more room for choice than in annuals, and of the following three it is hard to say which would give the greater satisfaction not knowing the extent of the intended planting: *Aquilegia* (columbine mixed varieties), *Spiræa filipendula*, white, *S. palmata*, rose, and *Anemone Pennsylvanica*. The latter flowers from June until August and for that reason, together with the ease with which it can be grown, I would prefer it before the others.

Convolvulus, (morning glory), is a very good annual for covering a fence and is of more rapid growth than anything else, but if the fence is only an ordinary picket fence tall nasturtiums would probably be more satisfactory because of the brightness of their flowers. Beside these two there is another beautiful climbing plant, *Cobæa scandens*, though not an annual strictly speaking. Nevertheless if a greenhouse or hotbed is available for starting the seeds, which ought to be placed edgewise and merely covered with soil, this is one of the most beautiful climbers and exceedingly well suited for covering fences.

DAVID MCINTOSH.

Æsculus Parviflora.

The accompanying illustration shows well the extreme beauty of the flower and foliage of this most desirable shrub. That it is a desirable subject is testified by everyone who has seen a good

August. It is also known under the names of *Pavia macrostachya* and *P. alba*. It is of comparatively easy culture, thriving best in a good deep, moist loam. It is also perfectly hardy in this section.

Long Island, N. Y. W. H. WAITE.

Catalogues Received.

Lager & Hurrell, Summit, N. J., orchids; Morrisville Nursery, Morrisville, Pa., ornamental trees and shrubs; George H. Peterson, Paterson, N. J., roses, hedge plants, etc.; East Bridge-water Dahlia Gardens, East Bridge-water, Mass., dahlias; C. Frets & Sons, Boskoop, Holland, nursery stock; Bay State Nurseries, North Abington, Mass., herbaceous perennials and nursery stock; C. Petrick, Ghent, Belgium, plants; Sackett Brothers Nurseries, Lebanon Springs, N. Y., nursery stock; George Egger, Jaffa, Palestine, flower bulbs and roots; The Donaldson Company, Warsaw, Ky., nursery stock; Perry's Hardy Plant Farm, Winchmore Hill, London, N., Eng., hardy plants, aquatics, etc.; Kroeschell Brothers Company, Chicago, greenhouse boilers; Harlan P. Kelsey, Boston, Mass., hardy American plants; The Munson Greenhouses, Denison, Tex., greenhouse and bedding plants; Wagner Park Conservatories, Sidney, O., landscape architecture, plants, etc.; The William Scott Company, Corfu, N. Y., chrysanthemums; Leesley Brothers Nursery, Chicago, nursery stock; Peterson Nursery, Chicago, nursery stock; Joseph Bancroft & Son, Cedar Falls, Ia., seeds and plants; New Haven Nurseries, New Haven, Mo., nursery stock; The Collegeville Green-



ÆSCULUS PARVIFLORA.

specimen in flower. For grouping in shrubberies it is very effective, but it is seen at its best when planted on a lawn where it can develop equally on all sides.

Æsculus parviflora is a native of the southern states and flowers in July and

houses, Collegeville, Pa., vegetable seeds; Spruyt & Company, Utrecht, Netherlands, vegetable, agricultural seeds, etc.; Raynbird & Company, Ltd., Basingstoke, Eng., seed corn, farm seeds, etc.; Frank Kadlec, Chicago, hardy plants, seeds, bulbs, etc.

Easter Stock at Philadelphia.

Godfrey Aschmann in his nursery, built as they do them in Ghent, surrounded on all sides by dwellings, has a splendid lot of Easter stock of the standard sorts that everybody wants. His leader is azaleas and the variety Mme. Van der Cruyssen. It would be hard to find a prettier lot of medium sized plants than are to be seen here. They are just right in point of time. Two houses of hydrangea, mostly Otakusa, are also in fine condition. A house of cinerarias is very showy, the strains being the best imported seed. They should sell on sight. There is also a large block of spirea well set with spikes of bloom. Out in the frames are to be seen thousands of daffodils and hyacinths, the latter from selected bulbs.

In addition to the Easter stock every nook and corner is filled with young stock waiting for room to expand in a week or two into salable sizes. Moon flowers are a specialty and are handled by the thousand. Geraniums, salvias, begonias, are other leaders and are grown in quantity. Last summer a number of the houses were torn down and replaced by more modern structures of Lord & Burnham material. Three thousand araucarias will arrive from abroad in May. These with kentias also imported keep the room filled up during the summer. A new delivery wagon right up to date in every respect, decorated on each side with pictures of azaleas and araucarias, is the latest acquisition and has a new house all to itself. In July Mr. Aschmann starts on his annual tour to Europe, all his stock being personally selected.

Wm. Meckey offers hydrangeas, daisies and genistas, large blocks of each. He grows all he has room for, filling five large houses, and never has enough. The stock is very popular, being all in 6-inch pots and as alike as peas in a pod. Thousands of pot roses fill the houses immediately after Easter. One wonders where they come from, but Mr. Meckey has a way of storing them in cold houses that works, as the plants are always just right when the demand is greatest.

George Anderson has his usual fine stock of longiflorums and offers nothing else, but these will keep him busy. His made up stock is very fine, in fact, the best we have seen.

Robert Scott & Son at Sharon Hill show the visitor a house of Ramblers in fine form, being exceptionally well budded and tied down so as to present a mass of color. Five thousand pots of Easter lilies well grown in every respect are a sight. It will certainly task the transportation facilities of the establishment to deliver them. A lot of spirea and plants of gardenia complete the assortment. These latter are fine and the only stock of the kind in town.

J. W. Colflesh is strong in daisies, cinerarias, lilies, hydrangeas, azaleas and bulbous stock. A house of Jacqueminot is just in for cutting. There are also some bargains in decorative palms.

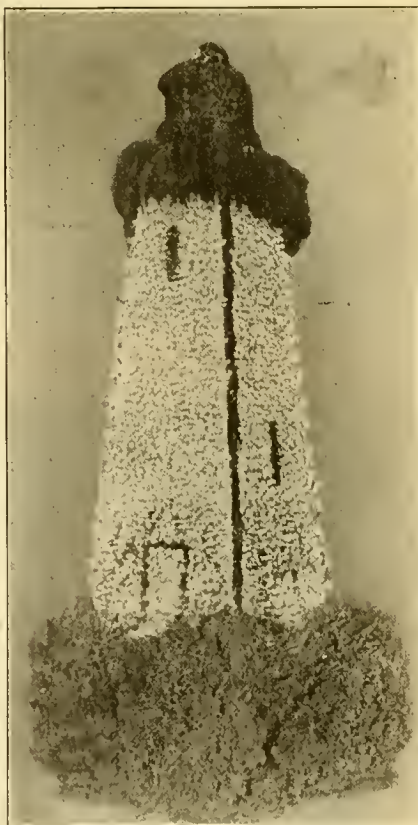
The Hugh Graham Company at Logan grow a few things by the thousand. Their leader is azaleas, of which they have seven thousand plants. Three-fourths of this stock is Mme. Van der Cruyssen, mostly in sizes ranging from 75 cents to \$2, but some large speci-

mens marked \$15 are the finest we have ever seen. There are also some ten thousand lilies, a very clean and even lot. Spirea is also seen in quantity, the variety Superba, which we think is the best. It certainly is pretty but grows very tall. A house of Brunner in boxes for cutting look to be just right. This is grand stock and has the field to itself. There are quantities of hyacinths from fine size bulbs, named varieties, very choice stock, and timed to the day.

Wm. Smith has some fine large azaleas a little above the average. They have sold well. His stock of lilies is good, though short, and there is also a goodly assortment of bulbous stock.

J. Coles is proud of his geraniums and heliotrope; he also offers lilies and a lot of neat azaleas, medium sizes.

Griffin Brothers, of Frankford, say they have azaleas and lilies and have them nice, while J. Koehler & Son offered a varied stock of lilies, hydrangeas, spireas, cinerarias and bulbous stock. K.



Floral Lighthouse at the Los Angeles Floral Festival.—See page 535.

A Good Railroad Gardening Scheme.

The floral department of the Canadian Pacific railway is issuing attractive folders containing, with the general information given, the following sentence: "We have conducted the flower scheme for seven years. This spring there will be at least a million tulips, crocuses and narcissus at the stations across Canada, to brighten, beautify and make home-like your environments."

Perhaps there is no other department of the Canadian Pacific railway which

has enlarged so rapidly as the floral, which is under the direction of N. Stewart Dunlop, tax and insurance commissioner of the company. Last autumn it sent bulbs to station agents, section men and other employees, from one end of the system to the other. Some were for outdoor planting, and are expected to bloom this spring; others were for pots and boxes indoors, that they might bloom during the past winter. As a result of this generous distribution, there will be one million tulips, etc., flowering along the system this spring. Before the department was established, the only flowers and plants along the company's various lines were those planted and cultivated at the expense of those agents who wished them for their own enjoyment. Now the company bears all expense in connection with the purchase of thousands of the best bulbs procurable, and not only sends them to every employee who wishes them, but also issues folders giving information. In addition to this, seeds are sent every spring to employees along the system who have exhibited an interest in flower culture. For this year the money appropriation made by the company to its floral department is almost double that of last year, so that the coming summer should see the stations on the Canadian Pacific railway more attractive than ever.

The seeds—numbering over 25,000 packages—are being sent out now, and include as fine a collection as any gardener of the most refined taste could wish. Mr. Dunlop, to whose energies and fondness for flowers the success of the department is due, tells those to whom his circulars are sent to surround their station, section house or office building with pretty flowers, so that not only the employees may enjoy the fragrance and brilliancy of the blooms, but that passengers on entering stations from Vancouver to St. John may be welcomed by the beauty of flowers.—London (Ont.) Advertiser.

Prize for Botanical Composition.

The Frankfort News states that the prize founded in honor of the celebrated Geneva family of botanists, De Candolle, is now offered by the physics and natural history society, of Geneva, Switzerland. The subject will always be a description of a species or family of plants. Members of the society are not permitted to compete, and limitations as to nationality are not made. The essays may be written in Latin, German, French, English, or Italian, and must be transmitted to the president of the society before January 16, 1906.

Working for the Other Fellow.

I happen to think of a friend on the road who frequently says that as long as you are working for the other fellow, you might as well make up your mind to do the work as the other fellow wants it done. Of course if you do not want to do things that way you have the American privilege of quitting the job. But after you quit a few times you begin to find jobs scarce, and you also find there are some disagreeable features in all of them. Then it is time to make up your mind that the successful man must be patient in many things and that threatening to resign is a poor bluff to make. If you think that any feature of the system is wrong, present your argument every time. The manager will always listen to reason. If he does not, he will not be manager long.—Commercial Bulletin.



FLORAL DESIGNS FOR THE FUNERAL OF THE MEXICAN AMBASSADOR, WASHINGTON, D. C., MARCH 28.

(J. H. Small & Sons, Washington, D. C., artists.)

THE RETAIL TRADE

The violets, fair and shyly hid,
Beneath our wandering feet we'll crunch,
We do not prize them as we did
When they were 50 cents a bunch.

NOVELTIES front.

PLACE your surplus lines attractively.

ROUTE and check up your deliveries ahead.

NOT so strenuous as to be curt to your customers.

NEWNESS and beauty are keynotes of Easter. Dress your show in original style.

NEAT packages and despatch combine to make fair flowers acceptable and fine flowers irresistible.

YOU will see or hear from all at Easter. Thank your steady patrons and solicit regular orders from the chance ones.

Los Angeles Floral Festival.

The Los Angeles floral festival, which lasted March 28 to 31 inclusive, was created for the benefit of the Temple church and was mainly an amateur and advertising affair. Our illustration of a floral lighthouse shows one of the best features. This was made by the Vawter company and contained 40,000 carnation blooms. The only other notable feature was the background of the platform, which was entirely decorated with calla blooms, perhaps 5,000 in number. The plant department of the Germain

Seed Company made a display of araucarias and ferns. Considering the very mediocre nature of the exhibits outside of those mentioned, the show was well attended. It would seem best when floral festivals are so strongly exploited as this was to the public that the professional florists and nurserymen, or officers of the local society, take hold and see that a creditable display is made. Otherwise the public will resent the humbug.

Paul De Longpre, now at Hollywood, Cal., the floral painter, exhibited a dozen beautiful specimens of his work. He is no doubt the greatest living flower painter.

Standing Wreaths.

The standing wreaths here shown were executed by J. H. Small & Sons for the funeral of Senor Don Manuel de Azpiroz, the Mexican ambassador to the United States. Orchids, roses, Harrisii lilies and lily of the valley, with palm leaves, were used in their composition. The wreaths were of extra large size and were from four to five feet in height. S. E.

CHEYENNE, WYO.—The annual meeting of the stockholders of the Frontier Park Association will be held at the office of the company in Cheyenne, April 22, at 3 p. m.

NORTH BROOKFIELD, MASS.—Robert Miller, recently of Butte, Mont., has leased the E. A. Lamfrey plant, which heretofore was used for forcing cucumbers, and will devote it to rose growing.

New York.

MARKET IS STRONGER.

Last Saturday and Monday the market rallied considerably, and values in some lines increased. On Tuesday there was a little reaction, but on the whole the market may now at mid-week be said to be stronger and its trend upward. Demand is still away below the normal for this time of year, but some comfort is taken from the fact that it is better than for three or four weeks. Roses were first to show signs of recovery, and special Bride and Bridesmaid have moved up a point or two. American Beauty still lags somewhat, but are moving better in comparison with the business of a week ago. Carnations are not faring so well, and prices are unimproved. The influx is still heavy, and while a shortage in cut is expected there are no immediate signs of it. Bulbous stock continues plentiful and the quality in a general way is very good. Tulips are particularly fine. Daffodils are not bringing much, the shipments from the south being large, and hard to clear. Violets are shortening up, but arrivals do not move easily, and prices are the same as quoted a week ago. Lilies are plentiful, and when of good quality command a respectable figure. Callas are profuse, and lower grades hard to clear. For good stock as high as a dollar a dozen is obtained. Pansies are plentiful, but are not taken so freely and fair stock is bringing as low as a dozen bunches for a quarter. Orchids move well, and the market is not over crowded with them. Cattleyas command as high as \$60 per hundred.

Sweet peas are plentiful and it must be very fine stock to bring more than 75 cents per dozen. Smilax is in good demand and sells well at quoted prices. Asparagus plumosus also is taken freely. Of this quite a lot is coming from Florida in good quality and condition. The Easter problem is on everyone's tongue, and the belief is general, that cut stock will shorten up in time, and potted stock will not be too plentiful.

The market, April 12.—The market is very slow, showing no improvement.

NOTES.

Wm. H. Siebrecht is handling some well flowered magnolia branches.

Wm. Engreen, of Aqueduct, is building three new Dietsch greenhouses.

Recent openings now make a total of thirty-five florists in thirty continuous Broadway blocks.

Wm. Ghormley has completed his preparations for Easter and will have his growers' "best" in all lines for the holiday season.

The American Institute of New York announces that the annual dahlia show will be held September 27 and 28, and the chrysanthemum show October 31 to November 3.

John Gunther is again at his desk in the office of his brother, Wm. H. Gunther, the 29th street wholesale florist, and has completely recovered from his recent attack of typhoid.

Retail florists' windows are taking on an Easter appearance. The banking of flowering plants seems to be a popular scheme, genistas in some cases, and azaleas in others, being favored plants.

Traendly & Schenck are getting their 28th street store in readiness for their big stock of Easter goods. They will, as usual, be well prepared for any legitimate demand that may be made of them.

The sinking fund commissioners have authorized the commissioner of street cleaning to allow flower dealers to use the spare space in the old Clinton market in the early morning hours during the spring.

Jos. S. Fenrich, the 30th street wholesale florist, was married April 5 to Miss Mollie Le Moul, daughter of A. Le Moul, the Bowery florist, and is receiving the congratulations of his friends in the trade.

The beautiful specimens of the Crimson Rambler rose exhibited at the New York Florists' Club on Monday evening were on view afterwards in the window of John Young's store and were a great attraction to passers-by.

At the meeting of the New York Florists' Club Monday evening J. B. Nugent, Jr., chairman of the house committee, again gave an object lesson in carving, the company getting liberal cuts of a fine hot bird in record time.

Dr. N. L. Britton, president of the horticultural section of the American Institute of New York, lectured Wednesday evening at the institute. The lecture title was, "An Evening with Cacti," and lantern slides were used in illustration.

Reed & Keller will in the future manufacture their own metal wreaths, having recently bought the machinery and auxiliaries of the florists' supply portion of the business of Frank Netchert. The firm now manufacture their own wire work, basket work and metal work, and claim they are the only firm doing this.

H. C. Steinhoff, of West Hoboken, N. J., has some grand plants of metrosideros, bottle brush, for his Easter trade. His lilies are just right for Easter, as also are his azaleas, having an ample stock of both. His trained Crimson Rambler roses, of which he has a big stock, are in the pink of condition for the holiday trade. He reports Easter bookings very heavy.

At the establishment of W. Kellogg, in Astoria, L. I., the Bertha Rath white carnation is the principal attraction. There is a large house full of this variety, which, however, owing to a prolonged season of cutting, is not looking its best just now. Sufficient is to be seen to show its free blooming qualities, and the regularity of its beautiful snow white blooms. A great many cuttings are being taken from the plants in preparation for its dissemination in the near future. In the other houses the stock is of a miscellaneous character, including small ferns, fuchsias in some quantity, three houses of Easter lilies, and a good stock of coleus, among it some beautiful new varieties.

Philadelphia.

Market conditions are much the same as last week except that the immense shipments of southern daffodils have almost ceased. Some of the later varieties will continue for a time but the glut is over. There are still a good many of the imported stocks in the hands of the growers which the cool weather of the past week will enable them to hold until Easter. Two weeks ago the bulbous stock looked likely to show a serious loss, as it was thought impossible to hold it, but it has moved so slowly lately that the growers say they can control it even if it should get warm.

Beauty are not running very good, there being a great many ragged flowers and deformed buds that don't open. Prices the same as last week. Maid, Bride and Liberty are cutting fine, as is also Golden Gate, which is now at its best.

There are a few Jacqueminot about, really good stock, but it has trouble to hold its own with the Liberty; \$12 is asked for the best.

Carnations are a little on the wane with prices the same as a week ago. Lawson are showing the effects of too much sun, being in many cases badly bleached. Violets are going fast, the single stock being now very small. There is likely to be nothing but doubles for Easter, and these away below the standard.

The Easter stock is very interesting at this time. The dealers are busy at the greenhouses selecting the balance of their stock and watching the progress of that already ordered. Prices are about the same as last season, lilies ranging from 8 to 12 cents per bud; spirea \$3, \$4, \$5, \$6 per dozen, and some special made up plants at \$1 to \$2 each. Hydrangeas from \$3 to \$12 per dozen, and larger stock up to \$2.50 to \$3 each. Azaleas at all prices from 75 cents to \$15. Mme. Van der Cruysen, the most popular variety, is to be had in quantity, in fact most all stocks are at least half of this kind. Rambler roses are fine everywhere, and all other lines of stock seem quite up to the best standard of previous years.

CLUB MEETING.

The principal topic at the April meeting of the Florists' Club was the Dorothy Faust chrysanthemum. A gentleman said he could prove that it was certainly McArthur and Wm. Leroig, who is handling the stock, thought the Florists' Club should take action, but this, after considerable discussion, was thought not to be the province of the club, so the matter was dropped. The members, however, who were familiar with Mr. Faust's flower as it is known here were loud in its praises as being by far the best late white. Some who had known the McArthur said that it shook its petals very easily, for which fault it had long ago been discarded, while Dorothy Faust was a splendid keeper and a first class shipping flower, which after all is the greatest test.

The Case discussion did not take place, as the essayist failed to be present. Arrangements were made for a committee to set in motion the selection of a bowling team to represent the club at Washington. This committee will meet soon and submit plans which it is hoped will bring the best men to the front.

NOTES OF THE TRADE.

Harry Faust says he is overrun with letters about his new chrysanthemum.

The Leo Niessen Company are making great preparations for Easter, which they expect will be a record breaker with them. They will have an especially fine lot of cut lilies and are already booking large orders.

At the market Manager Meehan says the outlook is fine and they confidently expect a large business, their growers reporting a fine stock with longiflorum, calla lilies and carnations as leaders.

"Keep your eye on us," says Manager Muth of the Philadelphia Cut Flower Company. "We will have double the stock of last season and already have orders for much of it."

H. Bayersdorfer is too busy to talk much these days, but he is great on getting orders. The stock here is tremendous and so varied that the visitor is constantly running up against something that just fills the bill and in consequence gets on that very necessary sheet.

Berger & Company are handling the stock of the Philadelphia Carnation Company, who are also cutting some extra fine sweet peas. The cut from this place at Easter will be very large.

The Philadelphia Cut Flower Company is receiving some fine Asparagus plumosus from Florida. R. C. Hayden, secretary and treasurer of the company, has recovered from his recent illness sufficiently to appear at his desk the major part of the week. Manager Wm. J. Muth is enthusiastic as regards Easter trade and says the company will have some very fine stock to offer.

K.

Baltimore.

WEATHER CONTROLS MARKET.

In the past week there has been a very considerable volume of trade done in cut flowers, but the supply was so much greater than the demand that the market was never cleared completely out. The town is full of jonquils, daffodils and narcissus from the south, and every thoroughfare and by-way is filled with the itinerant vendors crying these beautiful but too abundant blooms.

Then came a sudden setback, and for three days we went back to winter, with a great drop in temperature, killing frosts, and a whirl of snow. This was not bad for the eastern stuff, which is coming along at a gallop, but it lightened the supply, and as the new week opens there is more inquiry than can be met. Carnations continue in good request and there is an abundance of them; violets are practically over, and such as come in are so poor as to be practically worthless. A good many lilies, not of the best quality, are being marketed, but the consensus of opinion is that they will be quite short before the holiday requirements are on us. This is true also of azaleas, very largely so of hyacinths; and if, as is naturally now to be expected, there follows this cool snap an interval of high temperature, all the stuff for Easter will be so unduly advanced that it will be difficult to meet seasonable needs. Out-of-door stuff is coming, too, at a rapid pace.

NOTES.

One Charles street store reports fifteen bulb and nursery men from Holland and Belgium calling in a week. There has been a good deal of dissatisfaction, it is reported, with the quality of bulbous stuff supplied this market, and it is questionable whether orders will be as large as in previous years, but our visitors are some of them, perhaps, as much concerned about collection of old scores as they are to secure new orders.

The auction sales of imported stuff have begun, and considerable quantities are gotten off, many of the purchasers having only the haziest ideas of the material they are securing and the treatment it needs.

Other harbingers of spring are our friends from across the great waters, who have already "arrived" in numbers. S. B.

Cleveland, O.

TILE VERSUS WOOD BENCHES.

A keen interest in everything pertaining to benches and bench material for greenhouses led the writer to pay a visit to the carnation establishment of Bate Brothers, East Cleveland, O., to inspect their new tile bench, the inventor of which is the senior member of the firm, Mr. Guy Bate. The new system of benching was installed in a couple of houses late last fall and planted to carnations. Wood benches were planted at the same time to afford a comparison, the benches in each case being planted at the same time, October 25. The plants were rather small and had been frozen several times in the field before being benched. The firm always had an idea that tile benches would prove superior in every way for carnations, and the result in favor of their tile bench has exceeded their most sanguine expectations. The plants in tile benches show a marked difference over the others, in vigor of growth and productiveness. The claim is put forth that the flowers mature more quickly on the tile bench than on wood, as the following comparison evidently shows: From 2,000 plants planted on tile benches 11,750 flowers were cut from November 1 to April 1. From the same amount planted on wood benches 6,300 flowers were cut in the same time. Two thousand plants planted on wood

benches August 1 yielded 10,000 flowers up until April 1. From these comparisons it is easily seen the tile bench went ahead of the others. No doubt if the plants were "set in" in August and in good shape the yield would be enormous. The varieties used in each case were Joost. The great advantage in the tile bench is its practically everlasting qualities. The firm are receiving several large orders for the bench through the Cleveland Cut Flower Company, of which they are members.

NOTES.

Business has picked up slightly the past week, carnations are getting scarcer and prices have gone up a notch. Roses remain about the same, but a scarcity is looked for around Easter. From the present outlook there will be lots of bulb stock and pot plants. The Cleveland Cut Flower Company are handling an extra fine line of pansies and sweet peas.

Smith & Feters had their grand opening on Monday, April 10, in their new store, 169 Euclid avenue, and the display was magnificent. They certainly have one of the most beautiful and artistically arranged flower establishments in the country.

The Ohio Floral Company, Edmond Rudersdorf, manager, is sending in some choice American Beauty; their Bride and Maid are extra fine, too.

George Bate is wearing a smile. It's the first and a girl.

Visitor: Ed. Fancourt, of S. S. Pennock's, Philadelphia, Pa.

ECHO.

Washington, D. C.

A cool wave having reached us, indications are that much more stock will be saved for Easter than was anticipated during the warm spell of last month. The retail market braced up considerably during the past week, there being a number of social events that called for decorations, a large amount of funeral work and a brisk counter trade on Saturday.

EXECUTIVE COMMITTEE, S. A. F.

The presence of the gentlemen of the executive committee of the Society of American Florists created a pleasant zephyr of interest among the local craftsmen. In these days of ennui, spring fever and other seasonable ailments which are epidemic along the Potomac, the coming of such bright and breezy men as Beatty, Breitmeyer, Stewart and Altick; of Elliott, Hallock and Wirth, was as showers to the parched land.

THE BANQUET.

On the night of April 5, the visiting members of the executive committee were the guests of honor at a banquet given by the Washington Florists' Club in the banquet hall of the New Willard hotel. Vice-president Freeman of the S. A. F. was toastmaster, and seated at his right was ex-Pres. Breitmeyer; at his left Prof. Galloway, chief of the bureau of plant industry, U. S. Department of Agriculture. Among others present were President W. F. Gude and Vice-President Henlock of the Florists' Club; W. R. Smith, superintendent U. S. botanic gardens; E. A. Mosley, secretary interstate commerce commission; George C. Shaffer, Peter Bisset, Charles McCauley, Duncan Finlayson, A. F.

Faulkner, John Robertson, Joseph Freeman, Jr., Lewis Freeman, F. B. Foote, John Hammer and J. A. Philipps. After good progress had been made with the menu, which was up to the high standard which has made the name of the Willard a synonym for good living, speaking began. Happy and appropriate responses were made to the calls of Toastmaster Freeman by Messrs. Breitmeyer, Elliott, Altick, Beatty, Stewart, Hallock and Wirth; and by Prof. Galloway, W. H. Smith, W. F. Gude, E. A. Mosley, D. Finlayson and others.

The members of the committee spoke feelingly of their reception by the Washington florists.

The venerable W. R. Smith extolled the dignity of the craft and said that the florists were missionaries for the uplifting of mankind. Prof. Galloway favored the cultivation of a taste for flowers among children and made modest mention of some of the things his bureau is doing. Among the last though not the least of the speakers was E. A. Mosley, who is well qualified to discourse on rates and kindred topics.

The decoration, by J. H. Small & Sons, was a handsome affair, the centerpiece being of Tom Field roses with a wreath of Bridesmaid and other roses in vases and Prosperity carnations on the cloth. Though prevented from attending the banquet by a previous engagement, J. H. Small, Jr., said that he would feel it a pleasure and a privilege to furnish the decoration. The evening's enjoyment was closed with the singing of "Auld Lang Syne."

Little, but oh my, is the impression left by Treasurer Beatty. On the day spent by the committee in viewing the halls for the purpose of selecting a meeting place for the convention, he gave an elaborate luncheon at the New Willard to the members of the party. Much regret was expressed at the absence of President Vaughan.

Though Vice-President Freeman denies the soft impeachment, he seems to have had large experience as a toastmaster.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the Florists' Club was held on the night of April 4. There was a good attendance and a number of new members were admitted. Considerable business of a routine nature was transacted and plans were perfected for the entertainment of the members of the executive committee.

NOTES.

Clarke Brothers have a house of fine Carnot roses coming in for Easter.

Minder Brothers have a nice stock of lilies and hydrangeas.

Hammer & Sons have put in a new boiler to furnish power for their pottery works. They have good Easter stocks in lilac and spirea and a large stock of bedding plants.

George C. Shaffer has been quite busy with table decorations and funeral work and is carrying a fine stock of cut flowers.

J. D. Blackstone has just returned from New York, where he went to purchase Easter stock.

The selection of George H. Cooke for superintendent of the convention exhibit gives general satisfaction.

S. E.

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaune**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75c per dozen; \$6.00 per 100.

Anemone Prince Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

	Per doz.	100
Achillea, The Pearl, strong 3-in. pots	\$ 75	\$ 5.00
Asclepias Tuberosa, strong 1 yr. old roots	75	6.00
Asters hardy in var. strong 3-in. pots.	1.00	8.00
" Edna Mercia; a fine new pink var.	2.00	15.00
" Grandiflorus; large flowered late blue	2.00	15.00
Boltonia Latisquama, 4-in. pots	75	6.00
" Asteroides, 4-in. pots	75	6.00
Campanula Meeheimi, 3-in. pots	1.25	10.00
" Pyramidalis, strong 1 yr. clumps	1.00	8.00
Caryopteris Mastacantha, 3-in. pots	75	6.00
Chrysanthemum Shasta Daisy, 2 1/2-in. pots	60	4.00
Chrysanthemum Maximum Triumph 3-in. pots	75	6.00
Cimicifuga Simplex (rare) strong plants	3.50	25.00
Clematis Recta, strong 2 year old	1.50	12.00
Coreopsis Lanceolata, heavy 4-in. pots	75	5.00
Delphinium Formosum, strong 4-in. pots	75	6.00
" Belladonna (rare) very free flowering	2.50	20.00
Dianthus Latifolius Atrococcineus, 2 1/2-in. pots	60	4.00
Digitalis Gloxiniaeflora, 4-in. pots	75	6.00
Doronicum Austriacum, 3-in. pots	1.00	8.00
" Excelsum, 3-in. pots	1.00	8.00
Erigeron Coeruleus Grandiflorus, 3-in. pots	1.00	8.00
Eupatorium Ageratoides, 4-in. pots	75	6.00
" Colestinum, 3-in. pots	75	6.00
Feverfew Little Gem, 2 1/2-in. pots	60	4.00
Funkia Subcordata Alba, 4-in. pots	1.00	8.00
Gaillardia Grandiflora, heavy 4-in. pots	75	6.00
Gypsophila Paniculata, strong 1 year old roots	75	6.00
Helenium Autumnale Superba, 4-in. pots	75	6.00
" Pumilum, 3-in. pots	1.00	8.00
" Magnificum, 3-in. pots	1.25	10.00
Helianthus Multiflorus Fl. Pl., strong	75	6.00
" Maximus, strong	75	6.00
" Maximilliana, strong	75	6.00
" Meteor, strong	75	6.00
" Soleil d'Or, strong	75	6.00
" Volley Dod, strong	1.01	8.00
Heliopsis Pitcherianus, 4-in. pots	1.00	8.00

	Per doz.	100
Heliopsis Scaber Major, 4-in. pots	\$1.00	\$8.00
Hollyhocks, Dreer Superb Double in separate colors	1.25	10.00
Hollyhocks, Dreer Superb Double in choice mixture	1.00	8.00
Hypericum Moserianum, 3-in. pots	1.00	8.00
Iberis Sempervirens, 3-in. pots	75	6.00
Iris Kaempferi, 24 choice named var.	1.25	10.00
" finest mixed	1.00	8.00
" Germanica, 12 choice name var.	75	6.00
" fine mixed	50	4.00
Lobelia Cardinalis, strong 4-in. pots	75	6.00
Lychnis Chalcedonica, strong 3-in. pots	75	6.00
" alba, strong 4-in. pots	75	6.00
" Rubra, Fl. Pl. strong 3-in. pots	2.00	15.00
" Viscaria Splendens, strong 4-in. pots	1.00	8.00
Lysimachia Clethroides, strong 4-in. pots	75	6.00
Myosotis Palustris Sempervirens, strong 3-in. pots	50	4.00
" Alpestris Grandiflora, strong clumps	50	4.00
Peonies in choice varieties; see catalogue for varieties	1.50	12.00
Penstemon Gentianoides, 3-in. pots	1.00	8.00
Physostegia Virginica, strong 4-in. pots	75	6.00
" alba, strong 4-in. pots	75	6.00
Perennial Phloxes, 25 finest varieties	75	5.00
Pinks Hardy, 6 best varieties, 4-in. pots	75	6.00
Pyrethrum Uliginosum, strong plants	75	6.00
Rudbeckia Golden Glow, strong 4-in. pots	75	6.00
" Purpurea, strong 4-in. pots	1.00	8.00
Scabiosa Caucasica, strong 3-in. pots	1.00	8.00
" alba, strong 3-in. pots	1.00	8.00
Solidago Rigida, strong 4-in. pots	1.25	10.00
" strong 4-in. pots	75	6.00
Spirea Aruncus, clumps	1.00	8.00
" Chipensis, clumps	1.25	10.00
" Filipendula, fl. pl., 4-in. pots	75	6.00
" Gigantea, clumps	1.25	10.00
" Palmata, clumps	1.00	8.00
" Elegans, strong 4-in. pots	75	6.00



	Per doz.	100
Spirea Ulmaria, strong 4-in. pots	\$ 75	\$ 6.00
" fl. pl., strong 4-in. pots	75	6.00
Statice Eximia, strong 3-in. pots	75	6.00
" Gmelini, strong 3-in. pots	75	6.00
" Latifolia, strong 3-in. pots	75	6.00
Stokesia Cyanea, strong 3-in. pots	1.00	5.00
Sweet Williams, strong 4-in. pots	60	4.00
" large clumps	75	6.00
Thalictrum Aquilegifolium Atropurpurea, 4-in. pots	1.00	8.00
Thalictrum Aquilegifolium Album, 4-in. pots	2.00	15.00
Thalictrum Aquilegifolium Roseum, 4-in. pots	1.00	8.00
Trellius Aurantiacus, 4-in. pots	1.50	10.00
" Europaeus, 4-in. pots	1.00	8.00
" Japonicus Excelsior, 4-in. pots	1.50	10.00
" Orange Globe, 4-in. pots	2.50	18.00
Tritoma Pfitzerii, strong per 1000	\$50.00	1.00
" Coralina " " " "	50.00	1.00
" Macowan " " " "	50.00	1.00
" Uvaria Gra'diflora, str'ng per 1000	50.00	1.00
Valeriana Coccinea, 4-in. pots	1.00	8.00
" alba, 4-in. pots	1.00	8.00
" Officinalis, 4-in. pots	1.00	8.00

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LATE. Yellow.—W. H. Lincoln, H. W. Riegan. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

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Plants from 2 1/2-in. pots, \$2.50 per 100; \$20 per 1000.

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THIS ISSUE 88 PAGES WITH COVERS.

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ready reference advertising depart-
ment.

CRIMSON RAMBLER roses should be
planted at intervals of twelve feet in
evergreen hedges.

L. E. PARTRIDGE, of Sharp, Partridge
& Co., makes some interesting state-
ments about glass qualities on page 585.

Meetings Next Week.

Boston, Mass.—Gardeners' and Flo-
rists' Club of Boston, Horticultural
hall, Tuesday, April 18.

Detroit, Mich.—Detroit Florists'
Club, Cowie building, Farran and Gra-

tiot avenues, Wednesday, April 19, at
8 p. m.

Hamilton, Ont.—Hamilton Gardeners'
and Florists' Club, office of member,
Tuesday, April 18, at 8 p. m.

Manchester, Mass.—North Shore Hor-
ticultural Society, Friday, April 21.

Montreal, Que.—Montreal Gardeners'
and Florists' Club, Alexandria rooms,
2204 St. Catherine street, Monday,
April 17.

New Haven, Conn.—New Haven
County Horticultural Society, Tuesday,
April 18.

New London, Conn.—Eastern Con-
necticut Horticultural Society, Tuesday,
April 18.

Newport, R. I.—Newport Horticul-
tural Society, Wednesday, April 19.

Richmond, Ind.—Richmond Florists'
Club, greenhouse of member, Monday,
April 17.

St. Louis, Mo.—Plant and Cut Flower
Growers' Association, Wednesday, April
19, at 3 p. m.

Toronto, Ont.—Toronto Gardeners'
and Florists' Association, St. George's
hall, Elm street, Tuesday, April 18, at
8 p. m.

Chicago.

MARKET CONDITIONS.

Conditions all along the line have
shown a pronounced improvement. Espe-
cially has this been the case during the
early days of this week, and indications
point to a good toned market right up
to Easter. This is a glad relief to
the grower who has seen his stock
handed over the counter for many days
past at ridiculous prices. Lilies are
appearing in some considerable num-
bers and the quality is generally good.
The past week has brought an active
demand from out of town for pot lilies,
and the taking out of the market of
this considerable quantity of stock will,
it is thought by some of the dealers,
cause a stiffening on cut blooms.
Although there is apparently about Chi-
cago, more good lilies in sight than have
been in crop at this time for many
years, and with out of town consign-
ments which invariably show up at
this season, it seems as if no orders
would be turned down owing to lack
of supply, although selected blooms will
no doubt command live quotations up
to the last moment.

NOTES.

At the range of the Poehlmann
Brothers Company, Morton Grove, the
prospects for seasonable Easter stock
are unusually bright. Although Easter
is rather late the stock here will not
have to be retarded for this holiday
trade. Lilies will be plentiful, as the
three 340-foot houses of longiflorum
will be in first class shape for Easter.
An ample supply of mignonette will
also be on hand. Carnations will be
in good supply in all the leading vari-
eties with the possible exception of
Enchantress. Hyacinths are about over
and this firm will not have any in the
market for Easter. Tulips will be
numerous and in good season. The
chief varieties are La Reine, Yellow
Prince and Cardinal. The rose cut is
heavy and promises to hold up for some
time, American Beauty, Bride, Brides-
maid, Golden Gate, Chateaux, Uncle
John, Perle, Liberty and Sunrise being
seen here in abundance. Three houses

of Asparagus plumosus are in good
shape.

An especially large stock of Easter
lilies is to be found at Bassett &
Washburn's. The crop is large and
prices lower. Long and medium
Beauty are in full quality, short
stems, however, are poor. In mis-
cellaneous roses there is a fine crop of
Liberty coming in, and also good cuts
of Bride and Maid. In carnations
there is a noticeable shortening of the
cut. The quality is better, owing to
the cooler weather of the past week,
which is more favorable to that class
of flower. Prices in general are lower
than have been quoted for several years.
Indications point to a large supply of
outdoor material from central Illinois,
which will arrive in due time for the
Easter trade, consisting mainly of lilac,
tulips, daffodils, etc.

The Garfield Park Floral Company
has an extensive variety of plants in
excellent condition just now, including
Baby Rambler and Souper roses in
5-inch pots, deutzias, metrosideros,
marguerites, Primula obconica, lilies,
Asparagus plumosus, Otaheite oranges,
Aucuba Japonica (well fruited), lilacs,
Acacia armata, azaleas, hydrangeas, etc.

A number of Chicago florists were in
Springfield Tuesday lobbying in the
interest of the bill appropriating \$30,-
000 for experiments in the growing of
hothouse flowers. Among those pres-
ent were James Hartshorne of the Chi-
cago Carnation Company and Phil. J.
Foley.

Graff & Company have disposed of
their Washington street store to Harry
B. Tufts, formerly connected with the
Morrison hotel. Charles Balluff, well
known in Chicago retail circles, has
accepted a position as manager for Mr.
Tufts.

Notwithstanding the advance of
prices heavy shipments to northern
points are reported. The glut of the
market has subsided. The growers have
been inclined to hold back, which has
had a tendency to stiffening the market.

For the accommodation of their cus-
tomers and friends, Bassett & Wash-
burn have decided to handle florists'
supplies in addition to their wholesale
flower business.

Jacob Schaurer, 2291 Mozart street,
was hit by a street car last week and
badly injured internally.

Weiland & Risch have an unusually
attractive variety of Liberty, Maid,
Bride and carnations.

George Asmus, at the Schiller place,
W. Madison street, is making a hit with
crocuses in pans.

H. N. Bruns has a fine lot of lily of
the valley in pans for the Easter de-
mand.

Milwaukee, Wis.

Trade was rather quiet Tuesday and
Wednesday of last week, but the last
days of the week were very busy and
stock of all kinds cleaned out very sat-
isfactorily. Beauty are a little short
of supply as yet, but most likely by
Easter there will be a good supply, as
several of the growers are just coming
into crop. There will be plenty of car-
nations for all demands for Easter
trade, also all roses that may be
required.

Holton & Hunkel Company will have
two stores for their Easter trade, one
for cut flowers and another for their
increasing plant trade.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—German all-around florist, married. Box 223, care American Florist.

Situation Wanted—As gardener; German, married, one child; 19 years' experience. All references. Box 208, care American Florist.

Situation Wanted—By single man, age 25; capable of taking charge of section or small place. L. NIELSEN, 547 N. California av., Chicago.

Situation Wanted—By a competent carnation grower. State wages with or without board. Address Box 209, care American Florist.

Situation Wanted—By a gardener experienced in all branches, vegetable, fruit and flower gardening, also propagating. Prefer the south. Have no bad habits. Address Box 211, care American Florist.

Situation Wanted—By good florist, single, German. 18 years' experience in cut flowers and plants. Position wanted as working foreman or section. Good wages expected. By 1st of May. Box 292, care American Florist.

Situation Wanted—By young lady with some experience in floral work wishes position in a first-class floral establishment in Chicago. Have had some experience in bookkeeping. M S, care Jensen, 5901 Prairie Ave., Chicago.

Situation Wanted—First-class grower of roses, carnations, 'mums and general line of pot and bedding plants, also good in landscape gardening wants position as foreman or take charge of section where No. 1 stock is wanted. Age 33, with 19 years' experience. State wages. Address Box 207, care American Florist.

Situation Wanted—By first-class gardener, German, 5 years in this country; married; 14 years' experience in landscape and architectural gardening, as well as in greenhouse cultivation of any description, is looking for engagement with first-class private estate or country seat, or as foreman in a nursery. Very best references can be furnished upon request. Address P. O. Box 203, Riverside, N. J.

Help Wanted—Single man; good potter. BLONDELL Co., Oak Park, Ill.

Help Wanted—A good carnation and 'mum grower. Permanent position to the right party. CHAS. HOFFMAN, De Haven, Pa.

Help Wanted—An all around man, German preferred. State wages wanted without board. O. R. DEMMER, Eau Claire, Wis.

Help Wanted—Grower of fine roses, carnations and general stock; sober, industrious. Good wages to right man. Send references. Box 210, care American Florist.

Help Wanted—Young, single man, as assistant florist in carnations and chrysanthemums. State wages and experience. Address Box 300, care American Florist.

Help Wanted—Man for general greenhouse work, at once; state wages and give reference. Steady place. Address GROHMANN BROS., Saginaw, Mich.

Help Wanted—Experienced man to work in greenhouse; to good man, \$50.00 per month with board and room. Address BUTTE FLORAL Co., Gregson, Mont.

Help Wanted—At once, man who thoroughly understands 'mums and pot plants. Good wages to good man. Apply JOE. H. SEAMAN & Co., Washington, Pa.

For Sale—50 boxes 8x10, 20 boxes 10x12 and 10 boxes 8x12, all imported double thick glass, as good as new. 16 4-inch gate valves, 4-inch fittings. Address J. GEIST, Melrose, Mass.

Help Wanted—A reliable, sober florist for general greenhouse work; steady place; married man preferred. State experience, wages and send references. I. L. PILLSBURY, Galesburg, Ill.

Help Wanted—A good grower of carnations and propagator of same; to assist in growing bedding plants and general work around greenhouse. Must be sober. State wages with reference. WOLFBORO GREENHOUSES, Wolfboro, N. H.

Help Wanted—A competent single man to take charge of about 5,000 square feet of glass; must understand selling plants and raising 'mums, roses and carnations. State wages with board. JNO. CORBETT, Mt. Sterling Floral Co., Mt. Sterling, Ky.

Help Wanted—Young man as assistant around greenhouse of about 12,000 feet of glass; one who can drive horse and do bedding out and make himself useful. State wages expected without board. Address Box 126, Beaver, Beaver County, Pa.

Help Wanted—One or two greenhouse men at once. Young men preferred that have had some experience. State what you know in first letter. Wages \$10.00 per week without board. No drinkers need apply. Address EVENDEN BROS., Williamsport, Pa.

Wanted to Rent—One or two small greenhouses and some land, near Chicago, north side preferred. Address Box 299, care American Florist.

Wanted, Partner—To purchase interest in market garden. Healthy climate. Vegetables sent north, December to June. Tropical productions. LOUIE C. MANNING, Miami, Fla.

For Sale—Coll boiler, 25 pipes, 4 ft. long, 1 1/4 inch, at \$15.00. Address C. WINTERICH, Defiance, O.

For Sale—A good business, in a fine town. Doesn't require a fortune. Investigate. Address Box 221, care American Florist.

For Sale—2000 feet, 3-inch, second-hand cast iron greenhouse pipe in good condition at 40 per ft. GEORGE REINBERG, 301 Balmoral Ave., Chicago.

For Sale—4-inch cast iron pipe at 6c per foot. One Kroeschell boiler, extra large size, cost over \$500 for \$150. Address HELLER BROS., New Castle, Ind.

For Sale—Cheap, a good paying florist business, well established, in San Antonio, Texas. Fine opening here for an up-to-date florist. Address Mrs. S. MAVERICK, San Antonio, Texas.

For Sale—Greenhouses of between 6,000 and 7,000 square feet of glass and double house. In fine locality. On trolley line. For particulars address Mrs. M. A. HILL, Ansonia, Conn.

For Sale—35,000 feet, 4-inch cast-iron pipe, 5 foot lengths and fittings; 16 4-inch gate valves; 10,000 feet 8x10, 8x12 and 10x12 double thick imported glass; pots all sizes. Address J. GEIST, Melrose, Mass.

For Sale—Boilers, half price; one Mills boiler, No. 4 1/2, heats 5,000 feet of glass; one Dean boiler, heats 3,000 feet of glass; good condition; now in use. Address FRED. M. FLAEGE, 648 State St., Springfield, Mass.

For Sale—Owing to the death of the proprietor, the greenhouses and stock of the Lake Geneva Floral Co., established in 1890 are offered for sale. A good opening for a practical man. W. H. HAMMERSLEY, Lake Geneva, Wis.

For Sale—Half interest in greenhouse plant of 17,000 feet of glass; houses filled with roses, carnations and miscellaneous stock. Price and terms will surprise you. Senior partner is aged, feeble and must get out. Address WILLIAMS & CRITTENDEN, Waterloo, Ia.

For Sale—Two greenhouses, 24x100, three acres of land, large dwelling with all improvements. Two hours ride from New York. Known as the M. J. Moore place. Easy terms. For particulars address Mrs. J. SYMONS, Highland, Ulster Co., N. Y.

For Sale—Greenhouse plant of about 30,000 feet of glass; also ten acres of land; good 6 room dwelling and barn. Will sell reasonable or rent to responsible party. Our city has 50,000 inhabitants and no roses are grown here to speak of. Reason for selling, owner wants to retire. Do not answer this ad unless you mean business. For particulars, Address Box 212, care American Florist Co.

For Rent—At Frederick, Md., greenhouses 18x63, 12x102, 20x162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner 'compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York.

HENRY TRAIL, Frederick, Md.

For Sale—An established florist business with a profitable retail trade in a growing southern city of over 40,000 inhabitants. Modern constructed greenhouses. Splendid opportunity for building up a large business, wholesale and retail, being advantageously situated for shipping north and south. Modern six room dwelling with all conveniences including electric lights and telephone; modern barn and servants' houses. All on 13 acres of elevated land with about 500 fruit trees in full bearing. The whole within the city limits and increasing in value every year. Good reasons for wanting to sell. Address Box 297, care American Florist.

FOR SALE About 50,000 feet of glass nearly

all devoted to carnations, one house of roses and one of asparagus plumosus; houses in splendid condition; two built last summer; 72-inch by 16 ft. boiler heats the place with ease; another large boiler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale and retail trade well established; one of the best shipping points in Michigan, reaching with ease and comparatively short time, Chicago, Milwaukee, Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid trade in field-grown carnation plants as well as rooted cuttings. Stock in fine condition. Soil and climate just suited to growing carnations—both quantity and quality. Splendid water privilege for field and houses. An exceptional chance for some one to step into a well established business. Will also sell or rent a large or medium sized house. For further particulars, address Box 228, care American Florist.

A Rare Opportunity.

FINEST FLOWER PLANT IN MIDDLE GEORGIA,
THE IDLE HOUR NURSERIES.At Bankrupt Sale at Macon, Ga., May 2nd, 1905, at Public Outcry. Terms Cash.
Sold as part of the Assets of the late R. H. Plant.

This beautiful piece of property is situated five miles from the Macon Court House, in the healthiest part of Georgia, about two hundred yards from Summerfield, a station on the Central of Georgia Railway, and directly on the main roadway between Macon and Atlanta, making a beautiful drive through Vineville and the choicest part of Bibb County, over as fine road-bed as could be wished.

The Greenhouses, consisting of eight large, finely constructed and up-to-date glass houses with a smaller one attached, are located on a beautiful eminence overlooking a large tract of farming lands and scenery unsurpassed in middle Georgia, is finely equipped with three handsome houses for employes, stables, barns, sheds, etc; within easy reach of the soils so essential to the successful growing of flowers. Large sums of money have been expended to bring the plant up to perfection. Abundant supply of water and a heating apparatus, more than sufficient for present needs. About thirty-three acres of land go with the place.

The Stores for the sale of the product of the plant are on Cotton Avenue, near Second Street. A more desirable place could not be selected within the bounds of the City. The lease of the store at a moderate rent holds until October 1, 1906. Herein to be found a model establishment of its kind, fully equipped with designs and fixtures and various paraphernalia necessary. The business has been built up to such an extent that intelligent management from a purchaser must yield fine results.

For further information, write, telegraph, or apply in person to

N. B. CORBIN, Trustee in Bankruptcy, MACON, GA.

HIGH-GRADE SOUTHERN WILD SMILAX.And Florists' Hardy Decorative Supplies,
Prices Right.SPECIAL FACILITIES FOR HANDLING LARGE ORDERS.
WRITE, WIRE OR PHONE.

E. A. BEAVEN, - - Evergreen, Ala.

E. H. Hunt,**WHOLESALE****Cut Flowers****"THE OLD RELIABLE."**

76 Wabash Ave.,CHICAGO.

Wholesale Flower Markets

MILWAUKEE, April 12.	
Roses, Beauty, long, per doz.	5 00
" " med. " 2.00@ 3.00	
" " short " .75	
" Liberty.....	6.00@10 00
" Obatenay.....	3.00@ 6 00
" Bride, Bridesmaid.....	3.00@ 6 00
" Meteor, Golden Gate.....	3.00@ 8 00
" Perle.....	3.00@ 6 00
Carnations.....	1.00@ 3 00
Smilax.....	12.50@15 00
Asparagus sprays.....	2 00
Valley.....	2.00@ 3 00
Adiantum.....	1.50
Violets.....	.50@ .75
Callas.....	8.00@10 00
Romans, Paper Whites.....	3 00
Harrisii.....	10.00@12.50
Tulips, Daffodils.....	3 00

PITTSBURG, April 12.	
Roses, Beauty, specials.....	25 00@30 00
" " extras.....	15.00@20.00
" " No. 1.....	6.00@10.00
" " ordinary.....	3.00@ 5 00
" Bride, Bridesmaid.....	3.00@12 00
" Meteor.....	6 00@ 8 00
" Liberties.....	8.00@15 00
" Perle, Chatenay.....	3.00@ 8 00
Carnations.....	1.00@ 3 00
Lily of the valley.....	3.00@ 4 00
Smilax.....	12.50@15 00
Asparagus, strings.....	25.00@50 00
Asparagus Sprengeri.....	2.00@ 3 00
Lilies.....	6.00@12 00
Adiantum.....	1.00@ 1.50
Mignonette.....	1.00@ 3 00
Daffodils.....	2 00@ 3 00

CINCINNATI, April 12.	
Roses, Beauty, per doz.....	1.00@ 4 00
" Bride, Bridesmaid.....	4.00@ 8 00
" Liberty.....	6.00@10 00
" Meteor, Golden Gate.....	4.00@ 8 00
Carnations.....	1.50@ 3 00
Lily of the valley.....	3.00@ 4 00
Asparagus.....	60 00
Smilax.....	12.50@15 00
Adiantum.....	1.00@ 1.50
Callas.....	10 00
Asparagus Plumosus and Sprengeri in bunches.....	.25c per bunch
Harrisii.....	12.50@15 00
Romans, narcissus.....	3 00
Violets.....	.50@ .75

ST. LOUIS, April 12.	
Roses, Beauty, long stem....	2.00@ 3 00
" " medium stem.....	1.50@ 2 00
" " short stem.....	.50@ 1 00
" Bride, Bridesmaid.....	4.00@ 8 00
" Liberty.....	4.00@ 8 00
Carnations.....	1.00@ 3 00
Smilax.....	12.50@15 00
Asparagus Sprengeri.....	1.50@ 3 00
Plumosus.....	25.00@50 00
Ferns, fancy..... per 1000, 2 00	
Adiantum.....	1.00@ 1.25
Violets, California.....	.25@ .40
" Double.....	.50
Lily of the valley.....	2.00@ 3 00
Romans.....	2.00@ 3 00
Callas.....	8.00@10 00
Paper White narcissus.....	3 00

CLEVELAND, April 12.	
Roses, Beauty, per doz.....	.75@ 4 00
" Bride, Bridesmaid.....	3.00@ 8 00
" Meteor.....	3.00@ 8 00
Carnations.....	1.00@ 4 00
Smilax.....	10.00@15 00
Asparagus, strings.....	25.00@50 00
" Sprengeri.....	1.00@ 2 00
Common ferns.....	2 00
Violets, single.....	.35@ .75
" double.....	.50@ 1 00
Tulips.....	3.00@ 4 00
Sweet peas.....	.50@ 1 00

HOLTON & HUNKEL CO.,

Wholesale Cut Flowers

462 Milwaukee Street,

MILWAUKEE, WIS.

WILLIAM MURPHY,

Wholesale Commission Dealer in

**Cut Flowers and
Florists' Supplies.**ALL SEASONABLE FLOWERS
CARRIED IN STOCK.

Send for Price List issued every Monday.

WRITE, WIRE OR 'PHONE

128 E. 3d Street, CINCINNATI, O.

Day 'Phone M 980. Night 'Phone W 1191 R.

Please mention the American Florist when writing.

CHAS. CHADWICK,

COR. FULTON & LAGRAVE,

Grand Rapids, Mich.

WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.

Carnations, Roses, 'Mums, Violets, Etc.

Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan
Points.

—A TRIAL ORDER SOLICITED.—

Please mention the American Florist when writing.

Asparagus Plumosus,

50 CENTS PER STRING.

Carnation Blooms and Rooted Cuttings.
Good stock.**W. H. WATSON, Lapeer, Mich.**

Please mention the American Florist when writing.

AMERICAN BEAUTIES.Cut Roses—American Beauties and all
kinds of Tea Roses at lowest prices. Trial
orders solicited.**HELLER BROS., New Castle, Ind.**

South Park Floral Company

Please mention the American Florist when writing.

—FANCY—

CARNATIONS and ROSESPittsburg's Largest and Oldest
Wholesalers.**PITTSBURG CUT FLOWER CO., Ltd.**

604 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

PLACE YOUR NAME.....and your specialties before the purchasing florists of the entire country
by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.**Peter Weiland****WHOLESALE FLORIST,**

Room 18, 128 E. Third St., CINCINNATI, O.

Headquarters for

American Beauties and all leading varieties of
Roses and Carnations.All flowers sold at prevailing market prices,
Orders received and filled at Greenhouses if
desired, by addressing

PETER WEILAND, New Castle, Ind.

Please mention the American Florist when writing.

JOHN WOLF,

Wholesale and Retail Florist,

SAVANNAH, GA.Paper White Narcissus and
Roman Hyacinths.

\$2.00 per hundred, in any quantity,

Long Distance Telephone Connections.

Please mention the American Florist when writing.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

Please mention the American Florist when writing.

GEO. H. COOKE,
FLORISTConnecticut Avenue and L Street,
WASHINGTON, D. C.

Please mention the American Florist when writing.

**PREPARED PALMS.**Painted Fan Palm Leaves, from
\$12.50 per 1000. Get our catalogue.
Palm Fiber, Birch Bark, Cork
Bark, Moss, Artificial Flowers,
Vines, Leaves. All kinds of Palms.**CLARE & SCHARRATH,**
170 Madison St., CHICAGO.

Please mention the American Florist when writing.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

SINNER BROS.

Wholesale Growers
and Shippers of **CUT FLOWERS**
58 WABASH AVENUE, CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders
given prompt attention.

WIETOR BROS.

Wholesale
Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists.

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

GEO. REINBERG,

Wholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

BOOKS FOR FLORISTS.

Send prices quoted and we send the books.

MUSHROOMS: HOW TO GROW THEM
(Falconer).—The only American book
on the subject, 29 illustrations. Writ-
ten by a practical mushroom grower
who tells the whole story so tersely and
plainly that a child can understand it.
This book has increased mushroom
growing in this country three fold in
three years. \$1.50.

THE ROSE—Its cultivation, varieties,
etc. (H. B. Ellwanger).—A complete
guide of the cultivation of the rose,
together with the classification of all
the leading varieties. \$1.25.

**HEATING AND VENTILATING BUILD-
INGS** (Carpenter).—This book covers
the entire subject most fully. In the
preparation of heating and ventilating
plans, it will be found a most valuable
guide. \$4.00.

SUCCESS IN MARKET GARDENING
(Rawson).—Written by one of the
most prominent and successful market
gardeners in the country, and who has
the largest glasshouses for forcing vege-
tables for market in America. Outdoor
and indoor crops are treated. Illus-
trated, \$1.00.

STEAM HEATING FOR BUILDINGS
(Baldwin).—Contains valuable data
and hints for steam fitters and those
who employ this method of heating.
The 350 pages are fully illustrated.
\$2.50.

THE HORTICULTURISTS' RULE-BOOK
(L. H. Bailey).—Contains information
valuable to all those engaged in any
branch of horticulture. Illustrated.
312 pages. 75 cents.

PRACTICAL FLORICULTURE (Peter
Henderson).—A guide to the success-
ful propagation and cultivation of
florists' plants. Illustrated. 325 pages.
\$1.50.

GINSENG (Kains).—At the present
time when so much interest is taken in
ginseng, it will be interesting to peruse
this volume, which tells all about the
plant in a way that all may under-
stand. The 144 pages are freely illus-
trated. 50 cents.

THE PRINCIPLES OF FRUIT GROWING
(Bailey).—The entire subject of fruit
culture is treated very thoroughly in
this illustrated volume of 516 pages.
It is a book that no up-to-date fruit
grower can afford to be without. \$1.25.

CHRYSANTHEMUM MANUAL (Smith).
—By an expert who has given his
undivided attention for twenty years
to the improvement of the chrysan-
themum and its culture in detail. Pro-
fusely illustrated. 25 cents.

**HOW TO MAKE MONEY GROWING VIO-
LETS** (Saltford).—This is by a prac-
tical grower who has made a success
of the business. No grower of violets
can afford to be without it. 25 cents.

LANDSCAPE GARDENING (Waugh).—
This is a very useful little book on the
art of landscape gardening. It will be
found exceptionally valuable to ama-
teurs, as it covers in detail the numer-
ous problems that come to the owners
of small gardens. It is freely illus-
trated and the pictures have been
chosen with a view to informing the
reader rather than decorating the book.
50 cents.

THE AMERICAN CARNATION (C. W.
Ward).—A complete treatment of all
the most modern methods of cultivat-
ing this most important flower. Illus-
trated. \$3.50.

American Florist Co.,
324 Dearborn Street, CHICAGO.

Wholesale Flower Markets

CHICAGO, April 12.		
Roses, Beauty, 30 to 36-in. stems	4.00@	5.00
" " 20 to 24 " "	3.00@	4.00
" " 15 to 18 " "	1.50@	2.50
" " 12 " "		1.50
" Liberty.....	4.00@	15.00
" Chateaux.....	4.00@	10.00
" Bride, Bridesmaid.....	3.00@	8.00
" Meteor, Golden Gate.....	3.00@	8.00
" Gen'l MacArthur.....	6.00@	15.00
Carnations.....	1.00@	2.00
" fancy.....	2.00@	3.00
Valley.....	2.00@	4.00
Violets.....	.30@	1.00
Asparagus Plumosus, per string 25 to 50c		
sprays 2.00@	6.00	
" Sprenger.....	3.00@	8.00
Leucothoe sprays.....	.75@	1.00
Galax Leaves, Bronze, per 1000, 1.00		.15
Green, " " 1.00		
Adiantum.....	.75@	1.00
Fancy ferns..... per 1000	2.50@	3.00
Smilax.....	12.00@	15.00
Wild smilax..... per case	6.00	
Easter lilies.....	10.00@	15.00
Callas..... 5.00@	8.00	per doz.
Paper Whites.....		3.00
Poet's narcissus.....		1.00
Romans.....		3.00
Tulips.....	1.50@	5.00

MINNEAPOLIS, April 11.

Roses, Beauty, long, per doz.	4.50
" " med. " "	2.00@
" " short " "	.50@
" Liberty.....	8.00@
" Chateaux.....	6.00@
" Bride, Bridesmaid.....	6.00@
" Meteor, Golden Gate.....	3.00@
" Perle.....	3.00@
Carnations.....	1.50@
Smilax.....	12.50@
Asparagus sprays.....	2.00
Valley.....	3.00
Adiantum.....	1.50
Common ferns per 1000.....	3.00
Violets.....	.50@
Callas.....	8.00@
Romans, Paper Whites.....	3.00
Harrisii.....	10.00@
Tulips, Daffodils.....	3.00

Poehlmann Bros. Co.

Wholesale Growers of

and
Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

Greenhouses: 35-37
Morton Grove, Ill. Randolph Street,
CHICAGO.

—BUY YOUR—

Cut Flowers, Florists' Supplies,

WIRE DESIGNS at

THE FLOWER GROWERS' MARKET,
60 Wabash Ave., CHICAGO.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

52 and 54 High Street,

CLEVELAND, OHIO.

Please mention the American Florist when writing.

BOSTON, MASS.

WELCH BROS.

15 Province Street.

All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.

FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

GRAFTED ROSE STOCK.

Now is the time to order for summer flowering.

KAISERIN and CARNOT, 2 1/4-inch pots, \$15.00 per 100; \$120.00 per 1000
OUR ROOT STOCK.

KAISERIN, CARNOT, BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

—THE—

J. M. McCullough's Sons Co.

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ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

318 WALNUT ST.

CINCINNATI, O.

Wholesale Flower Markets

BOSTON, April 11.

Rosea, Beauty, best	20.00@25.00
" " medium	12.00@20.00
" " culls	6.00@ 8.00
" Bride, Bridesmaid	4.00@ 6.00
" Extra	8.00@12.00
" Liberty	1.00@ 8.00
Carnations	1.50@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Smilax	12.00@16.00
Adiantum	1.00
Asparagus	35.00@50.00
Violets	.35@ .50

PHILADELPHIA, April 11.

Roses, Tea	4.00@ 6.00
" extra	8.00@10.00
" Liberty	6.00@20.00
" Queen of Edgely, extra	15.00@25.00
" frsts.	10.00@15.00
" Beauty, extra	15.00@25.00
" frsts.	10.00@15.00
Carnations	1.00@ 4.00
Lily of the valley	2.00@ 4.00
Asparagus	25.00@50.00
Smilax	15.00@20.00
Violets, single	.25@ .40
" double	.30@ .50
Adiantum	.75@ 1.50
Gardenias	.12@ .15
Mignonette	2.00@ 3.00

BUFFALO, April 12.

Roses, Beauty	2.00@35.00
" Bride, Bridesmaid, Meteor.	2.00@10.00
Carnations	1.00@ 4.00
Harrisli	10.00@12.50
Lily of the valley	2.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00@20.00
Adiantum	.75@ 1.50
Lilium Longiflorum	10.00@12.50
Violets	.20@ .50

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS

and Florists' Supplies.

228 Diamond St.,

PITTSBURG, PA.

Send for weekly price list and prices on large orders..

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

RICE BROTHERS,

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at

Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

IMPERIAL FLORIST CO.,

14 Washington Ave. N.,

Minneapolis, Minn.

WILL OPEN BUSINESS APRIL 15th.

Consignments Solicited. We are in a position to give prompt and liberal returns to all.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

THE PHILADELPHIA CUT FLOWER CO.

The finest cut LILIES, and every-
thing in seasonable stock for the
EASTER trade.....

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

PHILADELPHIA, PA.

Please mention the American Florist when writing.

Michigan Cut Flower Exchange,

WM. DILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

38-40 Miami Ave. DETROIT, MICH.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing
color descriptions, by many foreign
houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

D. WOOD BRANT,

SUCCESSOR TO BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Choice Carnations. Any quantity. Prices
very reasonable. Wire or write.

Careful attention given shipping orders.

58-60 Wabash Ave.,

CHICAGO.

THE RELIABLE Commission House,
Jos. S. Fenrich
 48 W. 30th St., NEW YORK.
 Telephone 325 Madison Sq.

YOUNG & NUGENT
 42 West 28th Street, Wholesale Florists.
 Telephone 2066 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their order with us that they will not be disappointed.

J. K. ALLEN,
 Wholesale Commission Florist,
 108 West 28th Street, NEW YORK.
 American Beauties, Orchids, Roses,
 Carnations, Violets, and Every Variety of CUT FLOWERS.
 Tel. 187 Madison Square. Open every day at 6 a. m.



MOORE, HENTZ & NASH
 Wholesale Commission Florists,
 55 and 57 West 26th St., NEW YORK CITY.
 Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 Madison Square.

57 West 28th Street, NEW YORK CITY.

JOHN YOUNG,
 Special American Beauties,
 Surpassing Carnations,
 Lily of the Valley, Orchids
 and all Seasonable Flowers.
 51 West 28th St., NEW YORK.
 Telephone 1906 Madison Square.

Original Pioneer House—Established 1871.

JAMES HART
 117 W. 30th St., NEW YORK.

Wholesale and Commission
 Consignments solicited. Shipping orders promptly attended to. Phone 626 Madison.

—FLOWERS SHIPPED BY—

John I. Raynor,
 Are the best product of the best growers for the New York Market.
 ADIANTUM CROWEANUM sold here exclusively.
 49 W. 28th St., NEW YORK.
 Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
 Telephone 902 Madison Square.

39 West 28th St., NEW YORK.
 20 years' experience. Tel. 4878 Madison.

JOHN SELIGMAN,
WHOLESALE FLORIST
 56 W. 26th Street, NEW YORK.
 OPPOSITE N. Y. CUT FLOWER CO.
 Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed.

Choice Carnations. Selected Roses.
Traendly & Schenck
 NEW YORK CITY,
 44 W. 28th Street, Cut Flower Exchange.
 New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

New York, April 10.

Roses, Beauty, best.....	10.00@20.00
" " medium.....	3.00@10.00
" " culls.....	1.00@2.00
" " Liberty, best.....	10.00@20.00
" " medium.....	3.00@10.00
" " culls.....	1.00@2.00
" " Bride, Bridesmaid, G. Gate.....	1.00@6.00
" " Kaiserin, Carnot.....	1.50@8.00
Carnations.....	.50@3.00
" " fancy and novelties.....	3.00
Lily of the valley.....	1.00@2.00
Lilies.....	4.00@8.00
Smilax.....	10.00@15.00
Adiantum.....	.50@.75
Asparagus.....	20.00@50.00
Tulips.....	1.00@2.00
Violets.....	.15@.40

Charles Millang
WHOLESALE FLORIST,

Conservatory connected from which I can ship ferns and decorative plants promptly.

50 W. 29th St. NEW YORK.
 Tel. 3860 and 3861 Madison Square.
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Receivers and Shippers of Cut Flowers.
 Consignments Solicited.
A. L. YOUNG & CO., Florists,
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 Telephone 3559 Madison Sq. NEW YORK.

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 Receivers and Shippers of
Fresh Flowers
 111 West 30th St., NEW YORK.
 Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang
 53 West 30th Street, NEW YORK.
COMMISSION DEALER in FLOWERS
 TELEPHONE 280 MADISON SQUARE.

The Only House Handling the **Victory**
NEW RED CARNATION
 To be Disseminated 1906. Also a Complete Line of **Choicest Flowers.**

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 62 West 29th Street, NEW YORK.
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N. Y. CUT FLOWER EXCHANGE
 Coogan Bldg., 6th Ave. & W. 26th St., New York.
 Open for Cut Flower Sales at 6 o'clock Every Morning.

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

CARNATIONS My Specialty.
CONSIGNMENTS SOLICITED.
 Prompt Payments. Established 1891.
Alfred H. Langjahr, 55 W. 28th St. New York.
 Telephone 3924 Madison Sq.

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Telephone 421
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.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.
Please mention the American Florist when writing.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IND.
Please mention the American Florist when writing.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873, Bell, Lindell 678.
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The Park
Floral Co.

J. A. VALENTINE, Pres. DENVER, COLO.

MILWAUKEE.

C. C. Pollworth Co.
MILWAUKEE, WIS.
Will take proper care of your orders in
WISCONSIN.

CHICAGO.

Established 1857.

The Geo. Wittbold Co.
1857 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading house in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

A. Gude & Bro.
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1214 F St., WASHINGTON, D. C.

KANSAS CITY.

WILLIAM L. ROCK
FLOWER CO.
Kansas City, Mo.

Palmer's

BUFFALO,
N. Y.

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs.***
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

Wholesale Flower Markets

ST. PAUL, April 10.

Roses, Beauty, long, per doz.	5.00
" " med. " .. 2.00@	3.00
" " short " ... 75@	1.00
" Liberty	4.00@10.00
" Chateau	6.00@ 8.00
" Bride, Bridesmaid	5.00@ 8.00
" Gates and Ivory	6.00@10.00
" Perle	4.00@ 6.00
Carnations	2.00@ 4.00
Violets .....	.75@ 1.00
Valley	3.00@ 4.00
Romans, Paper White	3.00
Tulips, Daffodils	3.00
Sweet Peas .....	.75
Callas	12.50
Harrisii	10.00@15.00
Smilax	15.00
Sprengrl.	2.00
Adiantum	1.00

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

Please mention the American Florist when writing.

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HESS & SWOBODA,
FLORISTS,

1415 Farnam Street, OMAHA, NEB.
Phone 1601 and L. 1692.

Please mention the American Florist when writing.

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Mark Aitken
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378 Main St., Springfield, Mass.

Please mention the American Florist when writing.

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7 East 33rd St., Near Waldorf-Astoria.

Telegraph orders from any part of the country for Boxes, Flowers or Designs for deliveries at residences or steamers faithfully filled.

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612 13th St. N.W., WASHINGTON, D. C.

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719 Fourteenth St. N.W., WASHINGTON, D. C.

Long Distance Phone, Main 2741.

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14th and Eye Streets,

'PHONE, WASHINGTON, D. C.
2416 Main.

ALEX. B. GARDEN,
FLORIST

441 to 444 Center Market, WASHINGTON, D. C.

Choice Cut Flowers.

ST. PAUL.

HOLM & OLSON,
ST. PAUL.

THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. Chas. Eickholt,
2319 AVENUE M,
GALVESTON, TEXAS.

Cut Flowers, Floral Designs, Decorations.

Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.

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FLORIST
ADS ~ ~ ~

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

Blackstone
Florist
14th and H Sts. N.W.
Washington, D. C.

EASTER SPECIAL.

GET THE BEST.

We will have about **30,000 blooms** of the famous

Red Stemmed Giganteum Easter Lilies

Just right for Easter sales. Plants are from 20 inches to 36 inches high, and fine for handling in pots. Can be packed 25 in box, with from three to six blooms per plant, as desired, and can be shipped anywhere.

PRICE OF BLOOMS AND BUDS.

In plants.....\$130.00 per 1000. Cut blooms.....\$120.00 per 1000.

Write Us for Anything in the Cut Flower Line. ORDERS BOOKED NOW.

No orders booked for less than 25 plants.

Prices are f. o. b. Chicago.

POEHLMANN BROS. COMPANY 35 and 37 Randolph St.
CHICAGO

Please mention the American Florist when writing.



My Specialties For **EASTER**

**Everything in Fancy
Cut Flowers.**
ORCHIDS A SPECIALTY.

Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.

A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand.

Also a fine line of Novelties in Florists' Supplies.

If you want the **BEST** at any Time, or all the Time, send to

CHAS. W. McKELLAR,
51 Wabash Ave., CHICAGO.

Long Distance Phone. Central 3598.
Automatic. 3623.

EASTER NOVELTIES.

I quote the following goods for immediate shipment, clean fresh stock just in:

Easter Chicks, fancy imported, doz., \$3.00.
" " domestic, doz., 2.00.
Easter Ducks, fancy imported, doz., 3.00.
" " domestic, doz., 2.00.
Cotton Chicks and Ducks, 250 to \$1.00 doz.
Twig Baskets or Nests, 75c to \$3.00 doz.
Mats, plain and fancy, \$2.00 to \$2.50 doz.
Water-proof Crepe Paper, \$2.50 doz.
Common Crepe, all colors, 75c doz.
Easter Ribbons, finest quality satin, per bolt,
No. 5 No. 7 No. 9 No. 12 No. 16 No. 22 No. 40 No. 60
45c 55c 65c 85c \$1.00 \$1.10 \$1.25 \$1.50

I can supply all colors in above.
Baby Ribbons, all colors, per doz. sps., \$4.00.
Violet Cards, from 50c to \$1.50 doz.
Violet Ribbon Ties, from 75c to \$2.00 doz.
Crepe Paper Pot Covers, 50c to \$2.00 doz.
Match-Sticks, 6-inch, 50c; 12-inch, 75c; 18-inch, \$1.00 per M.
Fancy Pearl Corsage Pins, assorted colors, 15c to \$1.00 doz.; \$1.00 to \$3.00 per gr.
Violet Hampers, from 50c to \$1.50 each.
Cycas Leaves, Ass't, 24 to 48-inch, per 100, \$12.
Doves, very finest quality, per doz., \$12.00.
Next best grade, per doz., 10.00.
Seconds for decorating, per doz., 8.00.
Small Chenille Birds, per doz., 50c, 75c and \$1.
Folding Easter Bells, white paper, No. 1, 5-in. \$1; No. 2, 7-in. \$1.25; No. 3, 9-in. \$1.75 doz.
Violet Tin Foil, per lb., 35c; 3 lbs., \$1.00; 100 lbs. \$25.00.
A full line of all other supplies, Wire Designs, Sheaves, Baskets, etc.

Please mention the American Florist when writing.

GET IN LINE

And Order Your **EASTER STOCK** From

SINNER BROS.

WHOLESALE GROWERS 60 Wabash Ave., CHICAGO.

TRY OUR STOCK---You will like it.

TRY OUR SERVICE---You will want more of it.

BULB STOCK

LILIES

ROSES

CARNATIONS

FERNS

GALAX

GREENS

Please mention the American Florist when writing.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

WESTERN markets report a shortage of *Caladium esculentum* bulbs in the larger sizes.

REPORTS from many sections indicate that seedsmen are unusually busy in all lines.

THE United States Department of Agriculture has issued an illustrated bulletin on "The Development of Single Germ Beet Seed."

THE present active demand for dormant canna roots indicates a continuation of the popularity of this favorite plant.

LOS ANGELES, CAL.—Among recent visitors were William F. and Mrs. Dreer, of Philadelphia, returning east from Santa Barbara, their winter home.

NITRO-CULTURE. — The experiment station of the University of Illinois, Champaign, Ill., has issued an interesting bulletin on this new factor in cultural methods.

AVON, N. Y.—The Cleveland Seed Company has started to break ground for the new plant, which is to be moved here from Cape Vincent. The building, which will be erected at once, will be 40 x 80 feet and three stories in height.

VENTURA, CAL.—The unusual rainfall in southern California will stimulate the planting of all crops which are grown successfully in this section. Of these beans, lima and pole, interest the seed trade. Contract prices have declined from 25 to 50 cents per hundred pounds because of the greater rainfall.

Los Angeles, Cal.

Johnson & Musser issue periodically a four-page pamphlet to market gardeners containing confidential talk and advice especially to beginners, of whom there are many, and to whom climatic conditions are new. The booklet is helpful in the right way.

It is reported that the amount of common white beans in sight now is less than half of what is needed for usual supply until new crop comes in.

Limas and several kinds of pole beans which have been mostly grown in the Ventura, Cal., district are now quite largely planted near Santa Monica, twenty miles from Los Angeles. The latter sorts must be grown near coast to avoid weevil.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

Always mention the.....

American Florist

when you write to an advertiser

The Spring Business.

We are in receipt of a number of reports on this season's seed business, as follows:

Wood, Stubbs & Company, Louisville, Ky.—The seed business here has been very brisk since March 1 and there has been no abatement even in April. February was behind that month of last year and we suppose this was due to the inclement cold weather during that month, but March and April will more than make up for this shortage. The stock of onion sets in this market seems to be about all cleaned up. There are still a few scattering sets, but not very many. There has not been demand for seed potatoes here as usual, but all other seeds, especially grass, clover and field seeds, have been in active demand. The acreage of onion sets here is going

to be fairly good this season, but we cannot tell anything about the crop as yet.

Schisler-Corneli Seed Company, St. Louis, Mo.—Trade with us for this year has been very good. January and February were a little slow, but the month just past, March, has been the largest we have had since we have been in business, and so far this month it is holding very nicely. We look for a fairly good season.

The Livingston Seed Company, Columbus, O.—We were never busier. The local trade is simply enormous. Mail trade far exceeds that of 1904 in number of orders, but in the amount of money the increase is not large. From present indications the local trade of 1905 will exceed that of 1904 by a good percentage.



New Gladiolus Princeps.

The Best and
LARGEST GLADIOLUS
In Existence.

The flowers range from 5 to 6 inches in diameter, and can be grown to nearly 8 inches under stimulating culture. The petals are very wide and much rounded, forming an almost circular flower. From three to six of these immense and brilliant blooms are expanded at a time on each spike, which often produces 16 to 18 flowers during its development. Princeps is a most striking variety and the rate of increase is such that in time it can be produced in large quantities for bedding purposes as well as for cutting and exhibition. The out blooms of this variety brought five cents each on the Chicago market last summer.

PRICES FOR 1905.

	Per doz.	Per 100
First size bulbs...	\$2.50	\$20.00
Second size bulbs	2.00	15.00
Third size bulbs...	1.50	12.00

These 3 sizes are all blooming bulbs.

Vaughan's Seed Store,
CHICAGO, NEW YORK,
84-86 Randolph St. 14 Barclay St.



Cushman's Hybrid Gladiolus Bulbs

AT PRACTICAL LIVING PRICES.

Our Bulbs are not better than the best, but better than the rest. Try them. \$5.00 per 1000 for fine blooming size. Light mixture.

Cushman Gladiolus Co.
SYLVANIA, O.



RAWSON'S
Arlington Tested
Seeds For the Florist

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen
12 and 13 Faneuil Hall Square, BOSTON.

Please mention the American Florist when writing.

GLADIOLI.

Lemoine's Hybrids (Butterfly Gladioli):

	Per 100	1000.	Per 100	1000
No. 1...	\$1.50	\$10.00	No. 2....	\$.75 \$6.00
Small blooming bulbs.....				\$1.01 per 100
Croft's Hybrids, No. 2.....				6.00 per 100
No. 3.....				3.00 per 100
Small bulbs....				1.00 per 100

Send for complete price list of bulbs and hardy plants.

E. Y. TEAS, Centerville, Ind.

SUMMER FLOWERING BULBS

TUBEROSES.

Dwarf Pearl, first-class, strong bulbs, per 100, \$1.00; per 1000, \$8.00.

Dwarf Pearl, medium size, per 100, 60c; per 1000, \$4.50.

GLADIOLUS.

All strictly first size bulbs. Per 100 1000

Augusta, pure white, blue anthers.... \$3.00 \$26.00

Brenchleyensis, intense scarlet.... 1.35 11.50

Ceres, pure white, spotted purplish rose 1.25 10.50

Mme. Moneret, delicate rose color.... 1.50 12.50

May, pure white, flaked rosy crimson.. 1.50 12.50

Vaughan's XXX Florist Mixture.

This mixture is made up from named white and light varieties and mixtures of light colors only. Per 100, \$1.75; per 1000, \$15.00.

VAUGHAN'S SEED STORE,
CHICAGO. NEW YORK.

Seed Bags FOR THE TRADE

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

— THE —

Brown Bag Filling Machine Co.
FITCHBURG, MASS.

Alfred J. Brown Seed Co.

— GROWERS OF —

GARDEN PEAS and BEANS

For the Wholesale Trade.

Grand Rapids, - Mich.

SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
CLARINDA, IOWA.

THE HORTICULTURAL TRADE JOURNAL.

The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also

THE INTERNATIONAL HORTICULTURAL TRADE JOURNAL.

Published quarterly. Both mailed post free for one year for One Dollar.

— PUBLISHERS: —

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

Asparagus, Peonies, and Pansies.

Asparagus, Bonvallet's Giant, \$1.25 per 100; \$10.00 per 1000.

Peonies, \$3.00 to \$12.00 per 100.

Pansies, fine plants, \$5.00 per 1000.

G. O. WILLIAMS, BATAVIA, ILL.
99 Water St.

BERMUDA Harrisii Bulbs

THE "SEMPER IDEM" BRAND.

I am now booking orders for July and August delivery. Prices on Application. * * *

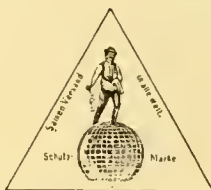
CHAS. A. V. FRITH,
HAMILTON, BERMUDA.

CARL BECK & CO.

SEED MERCHANTS AND SEED GROWERS.

QUEDLINBURG, (Germany.)

Mangel Wurzel and Sugar Beet Seeds
A SPECIALTY.



We offer an immense stock of all seeds at moderate prices, to the trade only. General Catalogues free on application. English Correspondence.

SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND.

— Telegram Address: SAMENEXPORT, Quedlinburg. —

Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of **HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc.** We further ask your attention to our superior quality and special prices of **FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC.** Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Maltus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

LEONARD SEED

Write for Prices.

WE ARE

HEADQUARTERS

FOR

ONION SETS.

Flower Seeds

and

Bulbs

CO.

WHOLESALE SEED GROWERS

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. **Beans, Peas and Garden Seeds.** WRITE FOR PRICES.

CHICAGO.

New Canna FAIRHOPE

An Improved Henderson; 30c each; \$3.00 per doz.; \$20.00 per 100. Don't miss this grand novelty. It is one of the best. A DOLLAR'S WORTH FREE with Every \$10.00 Order for Other Goods.

WRITE TO-DAY.

SOUTHERN FLORAL NURSERY CO., Fruitdale, Ala.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June 14-16, 1905.

ASHTABULA, O.—H. S. Simpkins & Son is the name of a new nursery company operating here.

C. L. MARLATT, of the Bureau of Entomology, United States Department of Agriculture, Washington, D. C., has issued a report on the gypsy and brown tail moths, which will be found interesting to those who have to care for trees.

BALTIMORE, MD.—Major Richard M. Venable, president of the park board, does not like the idea of distributing flowers as favors to members of the board and their friends, and to the friends of the superintendents, but insists that if any flowers could be spared they should be given to the hospitals. In an exhaustive report he declares that landscaping is as much an art as painting and sculpture and should be left to educated specialists.

LOS ANGELES, CAL.—There is a state law providing for the establishment of assessment districts for planting and caring for shade trees in streets and highways. It has been on the statute books for ten years, but the council, in advertising for bids recently for converting a certain highway into a tree-lined avenue, failed to receive a single one, the result of which has caused a great many of the nurserymen to doubt its validity, and are seemingly fearful that they would not be able to collect the assessment bonds in case they secured a contract.

Pruning Street Trees.

ED. AMERICAN FLORIST:—

When maple and other street trees need pruning, when should it be done, in the fall, winter or spring, or when they are in leaf?

If maple or other street trees have been neglected for a number of years, so that large numbers of branches have to be removed, the pruning should be done when the trees are dormant, or at any time after the leaves have fallen. On the other hand, if only a few of the lower limbs that impede traffic require amputation, it can be done without any weakening effects in the summer time. Care should always be exercised in cutting all the branches close back to joints or to the trunks of the trees, and never leaving the smallest part of a stub. The wounds should be covered with coal tar.

JOHN DUNBAR.

Rochester, N. Y.

Chase Brothers & Company have made plans to establish an immense plant in the new Twenty-first ward. They will move from their present quarters on University avenue and East park to the new plant as soon as the necessary buildings can be completed, which will be in the early fall. Wm.

Pitkin, a member of the firm, has given out particulars as follows:

"We have purchased nine acres of land in Brighton on East avenue, just west of the tracks of the Auburn branch of the New York Central railroad. Here we shall erect two large buildings for our packing business. One of these buildings will be 300 by 300 feet, one story and basement, of block concrete or solid concrete. The other building will be of the same construction and 100 by 100 feet.

"These buildings will give us 40,000 square feet of frost-proof storage and packing room. In addition to this, we shall have a siding from the New York Central running into the buildings, giving us 400 feet of track on which to load and unload our stock under cover.

"Then we intend to build an office building 100 by 60 feet in size, one story and basement. This building will probably be of brick, or may be, like the others, of concrete.

700,000 Cal. Privet

	Per 100	1000
3 yrs., 2½ to 3 ft., extra heavy.....	\$3.25	\$28 00
3 yrs., 2 to 2½ ft., well branched.....	2 50	23 00
3 yrs., 18 to 24 in., ".....	2 00	15 00
3 yrs., 12 to 18 in., 4 to 8 branches.....	1 50	10 00
2 yrs., 3½ to 4 ft., very heavy.....	3 00	25 00
2 yrs., 2½ to 3 ft., well branched.....	2 25	18 00
2 yrs., 2 to 2½ ft., ".....	2 00	15 00
2 yrs., 2 to 2½ ft., 3 to 6 branches.....	1 50	10 00
2 yrs., 18 to 24 in., 5 to 8 ".....	1 50	10 00
1 yr., 14 to 20 in., 2 to 4 ".....	1 25	7 00
1 yr., 10 to 14 in., 1 to 2 ".....	1 00	5 00
Cuttings, strong.....		.75
Tree form, 3 yrs., heads 4 to 5 feet.....	25c	each

All the above plants have been transplanted and cut back except one year, which makes them a clean, good stock. Parties wanting 5,000 or over, will write and get better rates.

River View Nurseries

J. H. O'HAGAN.

LITTLE SILVER, N. J.

Please mention the American Florist when writing.

Hardy Roses

Fine 2-year field-grown Gen. Jacqueminot, Magna Charta, La France, Crimson Rambler, etc., first size, 12c; second size, 7c; Crimson Rambler XXX, 20c; large flowered Clematis, finest purple, lavender, white and red sorts, 2-year, 18c; 1-year, 9c; extra 3-year, 30c. Clematis Panicle, 2-year, strong, 10c. Ampelopsis Velutina, 10c. American Ivy, 8c; Honey-suckle, Hall's, etc., 8c; Hydrangea, P. C., 10c; solid leaf tree shaped specimens, 30c. Golden Glow, strong roots, 4c. Hardy Phlox, finest named sorts, 8c. Peonies, finest varieties, 12c; Iris, finest Japanese and German, 10c; Hardy Shrubs, in the leading varieties, Altheas, 10c; Berberry, Purple Leaved, etc., 10c; Deutzias, 10c; Japan Quince, 8c; Spiraeas, 10c; Weigelia, etc., 10c.

Everything offered is strong, 2-year, field-grown, unless otherwise noted. Fruit and ornamental trees, etc., priced on application. Packing free for cash.

W. H. SALTER, ROCHESTER, N. Y.

—THE—

Tottenham Nurseries, LTD.

Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted to growing this line as Aconite, Aster, Campanula, Delphinium, Funkia, Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata, and subulnosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (specially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

"Our new plant will have a frontage of 600 feet on East avenue. We have been hampered by lack of room the past few years. We estimate that the buildings and equipment of the new plant in the Twenty-first ward will cost \$50,000. We intend to begin grading on the East avenue property in April and will begin the buildings in May so that we can have them completed in September."

The firm expects to employ 150 men at the new plant. Fifty to sixty men will be employed in the office the year around.

MORRISTOWN, N. J.—At Cedar Court work has been begun on the new mansion for O. H. Kahn. Considerable planting of rhododendrons has been done by Supt. J. Fraser. In the greenhouses a promising lot of Ulrich Brunner roses are coming in for Easter. Crassula coccinea hybrida will also be in bloom.

Special Offer: CLEMATIS, LILIAM AURATUMS, GLOXINIAS and BEGONIAS.

CLEMATIS, 2 years old, No. 1.....	Per 100
Jackman, 2 years old, No. 1.....	\$12.00
20c each in smaller quantities.	
Henryll, 2 years old, No. 1.....	18.00
20c each in smaller quantities.	
Mme. Edward Andre, 2 years old, No. 1....	19.00
21c each in smaller quantities.	
CLEMATIS, 2 years old, No. 1½.....	Per 100
Jackman, 2 years old, No. 1½.....	\$12.00
15c each in smaller quantities.	
Henryll, 2 years old, No. 1½.....	12.00
15c each in smaller quantities.	
Mme. Edward Andre, No. 1½.....	15.00
17c each in smaller quantities.	

LILIAM AURATUMS.....	Per 100
Sound, medium sized bulbs.....	\$4.00
5c each in smaller quantities.	
Medium to large bulbs.....	5.00
6c each in smaller quantities.	
GLOXINIAS, large sized in fine condition, four separate colors.....	4.00
5c each in smaller quantities.	
BEGONIAS, Tuberous Rooted, small blooming bulbs, \$8.00 per 1000.....	1.00
V. H. HALLOCK & SON, Queens, N. Y.	

NOTICE.

W. van Kleef & Sons

Wholesale Growers of Nursery Stock.
BOSKOOP, HOLLAND.

Be glad to announce that their representative, W. van Kleef, Jr., is again in America calling on the trade. All correspondence during April and May, care Maitus & Ware, 135 Water St., New York.

Please mention the American Florist when writing.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100. \$25.00 per 1000. 2½ to 3½ feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100; \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

Please mention the American Florist when writing.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it today. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Please mention the American Florist when writing.

PIN OAKS

MAGNIFICENT STOCK. LOW PRICES.
—Send for Spring List.—

ANDORRA NURSERIES,
WM. WARNER HARPER, Prop.

CHESTNUT HILL, - PA.

TREES

Fruit Trees, Small Fruits, Ornamental Trees, Evergreens and Shrubs, Shade Trees, Hardy Roses, Hardy Plants, Climbers, etc. The most complete collections in this country.

Gold Medal—Paris—Pan-American—St. Louis. 102 prizes New York State Fair, 1904.

Illustrated Descriptive Catalogue FREE on Request.

ELLWANGER & BARRY

Mt. Hope Nurseries, Rochester, N. Y.
Drauer 1044 V Established 65 Years.

Please mention the American Florist when writing.

Silver Ribbon Grass

The new hardy perennial. The finest ornamental grass to be had—perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15c each by mail, postpaid. \$1.25 per dozen; \$8.00 per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

James Vick's Sons,
ROCHESTER, N. Y.

Please mention the American Florist when writing.

Coreopsis Grandiflora

LONG STEMS.

Blooms as large as Cosmos. A most beautiful yellow. One year old. Out-door grown. Blooming size. \$2.00 per 100; \$15.00 per 1000.

ORDER NOW.

Martin Kohankie
PAINESVILLE, OHIO.



Send to **THE MOON**
Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
Morrisville, Pa.

ORDER NOW



HARDY SHRUBS, RAMBLERS and HYBRID ROSES FOR SPRING SALES

	Doz.	100
GRUSS as TEPLITZ, strong, 2-year old.....	\$2.00	\$15.00
MAMAN COCHET, strong, 2-year old.....	2 00	15 00
HERMOSA, strong, 2-year old....	2 25	16 00
CLOTHILDE SOUPERT, strong field plants.....	1 50	10 00
AMERICAN BEAUTY, Own roots.....	1 50	10 00
KAISERIN AUG. VICTORIA.....	2 50	20 00
PAUL NEYRON, budded.....	2 50	20 00
LA FRANCE, budded.....	2 00	15 00
MME. PLANTIER, own roots.....	1 50	10 00
TREE ROSES, H. P. sorts.....	5 00	40 00
" " Crimsou Rambler.....	6 00	50 00
CRIMSON RAMBLERS, strong, 2-year old No. 1.....	2 00	15 00
2-year old, No. 2.....	1 50	10 00
Strong, 3-year old, No. 1.....	2 50	18 00
H. P. ROSES, grafted 2-year-old, dormant, Perle des Blanches, Capt. Christy, Fisher Holmes, General Jacqueminot, Mme. Gabriel Luizet, Magna Charta Mrs. John Laing, Ulrich Brunner, etc., all.....	1 50	11 00

FLOWERING SHRUBS.

	Doz.	100
AZALEA MOLLIS, mixed kinds, 20 buds.....	.40	4 00 30 00
HYDRANGEA paniculata grandiflora, bushy field-grown, 2½ to 3 feet.....	1 50	11 50
Bushy field-grown, 12 to 18 inches.....	1 00	8 00
Standard hydrangeas, bushy tops 3 00		
Each Doz.	100	
DEUTZIA GRACILIS, pot-grown for 7-inch pots.....	.15	\$1.50 \$12.00
field-grown 3 to 4 ft., strong and bushy.....	3 50	25 00
DEUTZIA LEMOINEI, pot-grown for 7-inch pots.....	.40	3 50 25 00

	Doz.	100
CLEMATIS JACKMANI, 2-year-old.....	\$2.50	\$20.00
CLEMATIS JACKMANI, 3-year-old.....	4 50	35 00
CLEMATIS JACKMANI, in ast'd kinds, 3-year-old.....	3 50	25 00
AMPELOPSIS VEITCHI, 3 to 4 ft., heavy.....	2 00	16 00
AMPELOPSIS VEITCHI, 2 to 3 ft., heavy.....	1 75	14 00
ARISTOLOCHIA SIPHO, 3 to 4 ft., heavy.....	3 50	

BOX TREES (Buxus Sempervirens).

New importation, just arrived in fine condition.

Standard or Tree Shaped, stems about 2½ feet, crowns 2 feet in diameter, each.....	\$4.00
Bush Shaped, very fine bushy plants. 18 to 20 inches high, each.....	1 00
2½ feet high, each.....	3 00
3½ feet high, each.....	4 00
Pyramidal Shaped, fine shapely trees, 3 feet high, each.....	2 50
3½ feet high, each.....	3 00
4 feet high, each.....	4 00

PEONIES. In case lots.

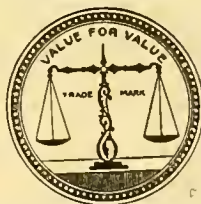
We have this year secured a fine lot of Pæonia Chinensis in fancy named sorts, suitable for Florists' use, all young roots, one year from divisions and with three to five eyes. These cases contain 67 double white, 66 double pink, 67 double red, each sort named. 200 roots in all. We offer them at the low price of \$20.00 per case, or 3 cases for \$55.00. We cannot break cases at these prices.

	Doz.	100
In Separate Colors. Strong roots, averaging 3 to 5 eyes.....		
Double red and crimson.....	\$1.50	\$12.00
Double white.....	1 50	12 00
Double pink.....	1 25	10 00
Double, all colors mixed.....	1 00	8 00
DIELYTRA SPECTABILIS.....	1 00	7 00
SHASTA DAISY, 3-inch pots.....	.75	6 00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, Ill.

Please mention the American Florist when writing.



RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the car load or in smaller quantities.

Ornamental TREES, SHRUBS and ROSES in great variety. HERBACEOUS PERENNIALS by the thousand.

See our Special Herbaceous Catalogue and Wholesale Trade List. Send for them now.

BAY STATE NURSERIES, North Abington, Mass.

FORCING LILACS.

Best German Pot-Crown in white and blue sorts; also the field-grown *Perle de Marly*, imported to order, for fall delivery. Let us appraise your wants.

AUGUST RÖLKER & SONS. 31 Barclay St., NEW YORK, P. O. Box 752

New Dahlias of Proved Merit.

Embracing a complete set of 12 NEW CENTURY DAHLIAS; 25 SUPERB NEW CACTUS DAHLIAS; NEW COLLARETTE DAHLIAS; NEW GIANT-FLOWERED DAHLIAS; NEW FANCY DAHLIAS; NEW DECORATIVE DAHLIAS; NEW SHOW DAHLIAS; NEW SINGLE DAHLIAS. In all, 38 of the most wonderful Single Dahlias ever produced, and 44 of the grandest Double Dahlias.

All exquisite in form, shape and coloring; free bloomers and **MONEY MAKERS.** Faithfully and truthfully described in our new illustrated descriptive catalogue, mailed free upon request.

L. K. PEACOCK, Atco, N. J.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At New York.

The bowlers at Monday's meeting made the following scores:

A. S. Burns	115	166	123
J. A. Manda	116	133	126
P. Kessler	147	138	160
A. J. Guttman	151	135	119

At Denver.

The latest scores made in the Florists' Bowling League series are as follows:

TEAM NO. 4.				
	1st.	2d.	3d.	Totals.
Cooper	151	127	138	416
C. Benson	152	118	135	405
C. Mauff	166	209	187	562
Glauber	141	151	177	469
Totals	610	605	637	1,852
TEAM NO. 2.				
	1st.	2d.	3d.	Totals.
Frazer	178	192	138	508
Kennedy	140	181	136	457
Bush	166	131	147	544
Scott	166	188	161	515
Totals	650	692	582	2,024
TEAM NO. 1.				
	1st.	2d.	3d.	Totals.
Brinkert	124	123	111	358
Reynolds	138	114	136	388
Valentine	152	179	139	470
Benson	152	163	202	517
Totals	566	579	588	1,733
TEAM NO. 3.				
	1st.	2d.	3d.	Totals.
Zimmer	177	128	161	466
Kurth	147	171	145	463
Berry	200	158	149	507
Mahon	165	155	157	477
Totals	629	612	612	1,853

New York Florists' Club.

The April meeting of the New York Florists' Club, held on Monday evening last passes into club history as including one of the finest exhibitions of seasonable plants ever made in club quarters. Louis Dupuy of Whitestone, L. I., showed a beautiful collection of Easter plants, well grown and in grand shape. *Crassula coccinea* was his novelty. Mr. Dupuy said that it was a plant quite popular in the London market. It had great substance in its make-up and he thought it would prove to be a very valuable plant for early summer. While it was a slow grower it was very easy to grow. He showed *ericas* in several varieties, three varieties of passion flower, and several of hydrangeas, including the blue variety. In regard to the latter variety, *Hortensia rosea*, he said it was colored by cultivation, the matter of soil being most important. As a new thing it possibly had not given the best of satisfaction, but anyone present could see it that night in satisfactory condition. The trouble was no doubt due to the fact that growers had purchased a few plants and propagated from them to

such an extent that undue weakening had resulted, and its blooming qualities become injured. With good stock and proper attention there would be no trouble. He also showed *Hortensia* white *Jeanne de Arc*, a sport from *Hortensia Thomas Hogg*, and a plant of *Hortensia Thomas Hogg*. Some fine *marguerites*, a fine specimen of French purple *lilae* and *Baby Rambler rose*, and several specimens of *Mimosa acacia cordata*, were also included in his exhibit.

The *Hinode Florist Company*, of *Whitestone*, had five grand specimens of the *Crimson Rambler rose*, one of them trained in circular form. These plants excited much admiration. *Pankok & Schumacher*, also of *Whitestone*, showed a fine bush of *bougainvillea*, and a plant of *epiphyllum*.

Thomas DeVoy & Son of *Poughkeepsie* presented a handsome plant of their new geranium *Telegraph*. Notwithstanding that this plant had been brought down from *Poughkeepsie* under shipping difficulties the cluster of flowers were perfect, and little the worse for their journey. The brilliant color of the flowers lent great contrast to the rest of the exhibit. As Mr. DeVoy, Jr., who was present said, *Telegraph* seemed hard to excel as a greenhouse plant. The general exhibit was judged by the club's committee on awards. To *Louis Dupuy* it gave an award of excellence for culture on his collection of *ericas*, *marguerites*, and *Baby Rambler roses*. For the balance of his exhibit an award of merit for culture was given. For his *Crassula coccinea* a certificate of merit was awarded. The committee's report stated that the committee was favorably impressed with the plant's possibilities.

Pankok & Schumacher were given an award of excellence for their specimen of *bougainvillea*, and an award of merit for their *epiphyllum*, both for culture. *Thos. DeVoy & Son* gained an award of merit for culture on their *Telegraph geranium*.

Prof. W. G. Johnson was elected to membership in the club.

The proposed change in the by-laws governing the collection of dues was, after considerable discussion, referred to the next meeting.

President *F. H. Traendly* called the

attention of the club to the fact that in shows made under the auspices of the club, school children were invited to the exhibitions free of charge. Visiting the greenhouses at *Prospect park* recently he was impressed with the absurdity of the ruling that children under 16 years of age are excluded from the houses. He could not see the force of this ruling and thought the club should bring the matter to the notice of the park commissioners. The project favorably impressing the meeting, on motion a committee was appointed to draft a letter to the park commissioners protesting against the exclusion of the children. *S. S. Butterfield*, *Alfred H. Langjahr* and *Walter Reimels* were appointed such committee.

Greensburg, Ind.

Draper & Clark and the *Greensburg Floral Company* have formed a partnership. *Ira Clark* will have charge of the business and *Henry Bentlage* will look after the growing. Mr. Bentlage recently bought the *Greensburg Floral Company's* establishment of Mr. *Dehmer*. Mr. Clark has had charge of the *Draper & Clark* greenhouses four years and is well acquainted with the business in *Greensburg* and Mr. Bentlage has had several years' experience with the best growers of the country. The firm name will be *Clark & Bentlage*.

CHRYSANTHEMUMS April Bargains in ROOTED CUTTINGS

A FEW OF OUR LEADERS:

Wm. Duckham Ben Wells, Mrs. Thirkell, \$2.00; *F. A. Cobbold*, *Leila Filkins*, \$3.00, *Dr. Enguehard*, \$1.00 per 100.

Asparagus Sprengeri, strong 2¼ and 3¼-in. \$1.75 per 100; \$15.00 per 1000.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

Please mention the *American Florist* when writing.

Orchids!

Just at hand, in superb condition, our first shipment of *CATTLEYA LABIATA*. Write for prices.

We also recommend our large stock of well-grown, established ORCHIDS. Write for catalogue.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the *American Florist* when writing.

APRIL 25th. ORCHIDS APRIL 25th.

SANDER'S ANNUAL SPRING ORCHID SALE.

Send for Descriptive Catalogue to

GLEARY'S HORTICULTURAL HALL, 62 Vesey St., NEW YORK.

Stanley & Co. SOUTHGATE, ENGLAND.

CATTLEYA SCHROEDERAE, a grand well assorted importation just arrived. Order at once.

JOHN BURTON, Assignee for ROBERT CRAIG & SON, ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

CANNA

WEST VIRGINIA.

Best of the Crozy Type. Gold Medal at St. Louis. Started plants now ready, \$5.00 per 100. Stock limited.

GUS. OBERMEYER,

Box 219, PARKERSBURG, W. VA.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our repullion has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

The TARRYTOWN FERN

NEPHROLEPIS PIERSONI ELEGANTISSIMA

The Best Record of Any New Introduction

THE MUCH COVETED **\$50 PRIZE** From The **HORTICULTURAL SOCIETY of NEW YORK** For THE BEST New Plant of the Year



GOLD MEDAL WORLD'S FAIR

SHAW GOLD MEDAL

Louisiana Purchase Exposition.

GOLD MEDAL

Pennsylvania Horticultural Society.

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SILVER MEDAL

Society of American Florists—Highest Award.

SILVER MEDAL

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New York Florists' Club—Highest Award.

SILVER MEDAL

American Institute, New York—Highest Award.

SILVER MEDAL

Newport Horticultural Society—Highest Award.

SILVER MEDAL

Tarrytown Horticultural Society—Highest Award.

And Numerous Diplomas and Certificates of Merit.

Introduction 1905

There is nothing in the fern line that is as handsome as this beautiful fern when well grown. It is a wonderful improvement over *Nephrolepis Piersoni* in every respect both in regard to beauty and habit of growth. It is a sport from the Pierson Fern (Nephrolepis Piersoni), but it is very much more beautiful and of greater value. It is as different from the Pierson Fern as that is from the Boston. The small side pinnae are again subdivided, producing an exquisite and beautiful effect, changing the entire character of the fronds, which measure less than half the length and about twice the breadth of the fronds of the Pierson Fern. The fronds also assume an entirely different form, the side pinnae standing at right angles to the mid-rib of the frond, on edge rather than flat, as is usual, making both sides of the frond equally beautiful—entirely different from any other fern.

The Plant is very dwarf, only about half the height of the Pierson Fern, and of very much more compact habit. Taking it altogether it makes one of the most exquisite plants and one of the most valuable for table and house decoration that has ever been introduced. The cut fronds, on account of their beauty, will be in great demand for table decoration. Well-grown plants make most magnificent specimens.

NOW READY FOR DELIVERY.

PRICE—2¼-inch pots, \$9.00 per dozen, 50 plants at 60c each, 100 at 50c each, 500 at 45c each, and 1000 at 40c each; 5-inch pots, \$12.00 per dozen; 6-inch pots, \$24.00 per dozen; 8-inch pots, \$36.00 per dozen; 10-inch pots, \$60.00 per dozen.

F. R. Pierson Co.

TARRYTOWN-ON-HUDSON
NEW YORK.

EASTER 1905

TRAENDLY & SCHENCK

WHOLESALE FLORISTS,

Phones, 798-799 Madison Square. 44 W. 28th St., New York City.

ANNOUNCEMENT !!!

WE WILL HAVE the cut of 20,000 Jack Plants for EASTER.
WE WILL HAVE the cut of 10,000 Brunners for EASTER.
WE WILL HAVE the largest supply of Maids, Brides and Liberty.
WE ARE HEADQUARTERS for Golden Gate, Uncle John and Chatenay.
We are supplied daily with large quantities of all the leading varieties of Carnations.
EVERYBODY KNOWS that in the handling of Violets we LEAD THEM ALL.

You may have any part of the above stock you may want for EASTER by ordering early.

TRAENDLY & SCHENCK.

WE WANT TO MOVE

SEVERAL HUNDRED EXCEPTIONALLY LARGE

KENTIA BELMOREANA and FORSTERIANA at \$7.00 each

SIZES AS FOLLOWS:

KENTIA BELMOREANA, 12-in: pots, 54 to 60 inches high, 7 to 8 leaves. KENTIA FORSTERIANA, 12-in. pots, 54 to 60 inches high, 6 to 7 leaves.
This is fine perfect stock and is just what you need for your Easter Trade.

We also have several thousand exceptionally fine LATANIA BORBONICA, in 8-inch pots, 7 to 9 leaves, 30 to 36 inches high, from top of pot. Perfect stock that we will close out at \$1.25 each.

WE ALSO HOPE TO BE FAVORED WITH YOUR ORDER FOR THE FOLLOWING STOCK WHICH WE CAN RECOMMEND AS A1 QUALITY:

Variety.	Size.	Height.	Leaves.	Each.	Doz.	100	Variety.	Size.	Each.	Doz.	100
KENTIA BELMOREANA.....	3½	12-14	5-6	....	\$2 00	\$15.00	PANDANUS UTILIS.....	3	....	\$2.00	....
"	4	15-17	5-6	....	3 00	25.00	"	5	....	5.00	....
"	6	24-26	6-7	1.50	18.00	....	"	6	....	9 00	....
"	7	32-34	6	2.00	24.00	....	POA TRIV. VAR.....	3	for ferneries.....	....	5.00
"	7	34-36	6	2.50	30.00	....	"	3	....	....	6 00
"	9	44-48	7-8	6.00	....	....	CROTONS	3.....	....	1.50	....
"	3½	14-16	3-4	....	2 00	15.00	"	4.....	....	3.00	....
"	4	16-18	4-5	....	3 00	25.00	CIBOTIUM SCHIEDII.....	6	....	\$1.50	18 00
KENTIA FORSTERIANA, single.....	7	32-36	...	2.00	21.00	....	"	7.....	2.00	24.00	....
"	8	34-38	5-6	2.50	30.00	....	ADIANTUM CUNEATUM	2.....	....	....	3.00
"	9	46-48	5-6	6.00	....	....	"	3.....	....	1.00	7.00
LATANIA BORBONICA.....	2	...	...	....	.75	5.00	"	4.....	....	1.50	12.00
"	3	...	...	....	1.00	7.00	"	5.....	....	2.00	15.00
"	3½	11-13	4-5	....	2.00	....	DRACÆNA INDIVISA.....	4.....	....	1.50	10.00
"	7	26-30	7	1.00	12.00	....	"	5.....	....	3 00	....
"	8	26-40	6-7	1.25	15.00	....	"	6.....	....	5.00	....
PHOENIX CANARIENSIS.....	8	38-42	10-12	3.00	....	....	"	7.....	....	9.00	....
FICUS ELASTICA.....	4	10-12	...	....	.25	3.00	"	MASSANGEANA.....	5.....	1.00	12.00
"	5	16 20	...	....	.30	4.50	ASPARAGUS PLUMOSUS.....	2.....	....	....	3.00
"	0	20 22	...	....	.50	6.00	"	3.....	....	1.00	8.00
ARAUCARIA EXCELSA.....	4	tiers	2-3	....	.50	6.00	"	4.....	....	1.50	12.00
"	5	tiers	3-5	....	.75	9.00	"	3	....	....	.75
"	6	tiers	3-5	....	1.25	15 00	"	SPRENGERI.....	4.....	....	1.50
"	comp.....	6	tiers	3	2.00	....	"	5.....	....	2 00	15.00
COCOS WEDDELLIANA.....	3	....	...	....	....	2.50	"	6	....	3 00	20 00
PANDANUS VEITCHII.....	4	....	...	....	.50	6.00	DRACÆNA TER.....	6	23-24.....	.75	9.00
"	5	....	...	....	1.00	12.00	FITTONIA VERSCHAFFELTII.....	2	fine for ferneries...	....	5.00
"	6	18-20	...	....	1.25	15.00	MARANTA MASSANGEANA.....	2	fine for ferneries...	....	5 00

GEORGE WITTBOLD COMPANY, 1657-1659 Buckingham Place, CHICAGO.

For Easter

YOU MAY DEPEND ON US FOR YOUR REQUIREMENTS IN

Lilies, Hydrangeas,
Genistas,
Spiraea, Gladstonei.
Rhododendrons,
Lilacs, Palms,
Ferns, AND ALL
DECORATIVE STOCK.

Our stock is Prime Quality, just right, and as we have no Poor Stock for Sale, Your Interests can be Well Served if you place your orders with us. Shipments Always Prompt.

Write now for prices, or send your order and be
sure you will get prices equally advantageous.

R. DREYER.

WOODSIDE, L. I., N. Y.

This is Not Confidential

A SATISFACTORY EASTER

Is Good Stock, Well Bought and good Customers Well Served. For many years our sole aim has been to furnish such flowers in such shape as to give satisfaction in every respect. For the coming

E A S T E R

We have in sight Longiflorums in Pots and Cut, Roses, Carnations, Astilbes, Violets, Stocks, Mignonette, Lily of the Valley, Tulips, Daffodils, all varieties, Hyacinths, etc., in heavy supply and excellent quality. * * * *

As especially desirable we would mention particularly American Beauty, Bridesmaid, and Bride Roses; Lawson, Fair Maid and Enchantress Carnations. * * * *

WELCH BROTHERS

CITY HALL CUT FLOWER MARKET.

15 Province St.,

BOSTON, MASS.

DUTCH BULBS AND PLANTS

R. van der Schoot & Son

Largest Wholesale Growers of

Hyacinths, Tulips, Narcissus, Crocus, Gladiolus,
Lilies, Pæonias, Iris, Cannas AND HERBACEOUS STOCK. : : : :

Over 200 Acres of Bulbs.

Bulb Exporters to the United States Since 1836.

Catalogue Now Ready.

Please Ask Our Prices.

Hillegom, Holland.

PETER
REINBERG

51 Wabash Avenue, CHICAGO.

Largest Grower in the World

(ONE MILLION SQUARE FEET OF GLASS.)

Roses Our Selection \$4 per 100

Our Easter Price List:

BEAUTIES		Per Doz.		Per 100
Extra select.....		\$5.00	Bride.....	\$5.00 to \$ 8.00
30-inch.....		4.00	Bridesmaid.....	5.00 to 8.00
24-inch.....		3.00	Uncle John.....	5.00 to 10.00
20-inch.....		2.00	Chatenay.....	5.00 to 10.00
15-inch.....		1.50	Liberty.....	5.00 to 10.00
12-inch.....		1.25	Sunrise.....	5.00 to 8.00
Short.....	75c to	1.00	Perle.....	5.00 to 8.00
			Carnations.....	4.00

CUT EASTER LILIES, \$2.00 per dozen; \$15.00 per 100.

HAVE YOU PLACED YOUR ORDER FOR EASTER STOCK

IF NOT, DO SO AT ONCE

Easter Lilies, \$125.00 per 1000

Wild Smilax, 50 lb. Case, \$6.00

Fancy Ferns, \$3.00 per 1000

IN LARGE QUANTITIES

AMERICAN BEAUTY.		Per Doz.		Per 100
36-inch stems		\$5.00 to \$6.00	Violets, Double	\$1.00
24 to 30-inch stems		3.00 to 4.00	“ Single	1.00
18 to 24 “		2.50 to 3.00	Valley	\$3.00 to 4.00
15 to 18 “		2.00	Daffodils, Paper White	3.00 to 4.00
12 to 15 “		1.50	Tulips	2.00 to 4.00
Short Stems		\$4.00 to \$8.00 per 100	Callas	per doz., \$1.50
Bride, Bridesmaids		3.00 to \$8.00	Asparagus Sprengeri, sprays	2.00 to 4.00
Golden Gate, Meteor		3.00 to 8.00	“ Plumosus, string	each, 25c to 50c
Liberty and Chateau		6.00 to 12.00	Fancy Ferns	per 1000, \$3.00
Gen'l MacArthur		8.00 to 15.00	Galax, Bronze, Green	per 1000, 1.00
Carnations		2.50 to 4.00	Adiantum	.75 to 1.00
“ Fancy		4.00 to 5.00	Leucothoe sprays	1.00
			Smilax	per doz., \$2.00

Book your orders now for EASTER LILIES and other wants.

J. B. DEAMUD, 51 Wabash Avenue,
CHICAGO

Long Distance Phone, Central 3155. Automatic 9922.

We are still booking orders for own root plants of

THE NEW ROSE WELLESLEY

We have a very fine lot in 2 1-2-in. pots at \$25.00 per 100

Having decided to increase our planting of “Wellesley,”
we have several thousand first-class grafted

Bride and Bridesmaid Roses

in 2 1-2-in. pots, which we intended for our own use, and which are
now offered for sale at \$10.00 per 100. 1000 rate on application.

WABAN ROSE CONSERVATORIES, Natick, Mass.

JOHN N. MAY, SUMMIT, N. J.

Wietor Bros.

51 Wabash Ave., CHICAGO

Will Fill Your EASTER Wants

ALL ORDERS FILLED PROMPTLY WITH THE
BEST OF STOCK.

Stock Picked Out for All Shipping Orders Before Sales are Made to City Buyers.

ROSES!

CARNATIONS!

EASTER PRICE LIST

AMERICAN BEAUTY.		Per doz.			Per 100
Extra long stem....	\$5.00 to \$6.00		Meteor	\$6.00 to \$10.00	
24-inch stem.....	3.00 to 4.00		Golden Gate	6.00 to 10.00	
20-inch stem.....	2.50 to 3.00		Perle	6.00 to 8.00	
15-inch stem.....	2.00		Ivory	6.00 to 10.00	
12-inch stem.....	1.50		Liberty	6.00 to 15.00	
8-inch stem.....	1.00		CARNATIONS, fancy	5.00 to 6.00	
		Per 100	" ordinary	4.00	
Bride.....	\$6.00 to \$10.00		LILIES.....		15.00
Bridesmaid.....	6.00 to 10.00		" per doz.,	\$2.00	

GO TO E. H. HUNT'S

For EASTER LILIES,
ROSES of all Kinds
CARNATIONS

All BULB STOCK, and Best of All,
SQUARE DEALING

76-78 Wabash Ave., CHICAGO, ILL.

Chrysanthemum Novelties

Three Money Making Commercial Varieties are:

MRS. W. DUCKHAM

The Boston C. S. A. Cup Winner, a good yellow, and a grand keeper, 75c each; \$7.50 per doz.

MERSTHAM

Yellow. The finest early yellow in sight.

WHITE COOMBES

A splendid second early white.

Both certificated by C. S. A. 50c each; \$5.00 per doz.; \$35.00 per 100.

We can quote special prices on large lots, as we can supply these kinds by hundred or thousand.

Also the following prize winning novelties: Mrs. A. J. Miller, J. H. Doyle, Dora Stevens, Mrs. H. A. Allen, Emily Milleham, Merstham Red, Valerie Greenham, Lady Cranston, and others, all at 50c each; \$5.00 per doz.; \$30.00 per 100.

All the best of last year's novelties: W. Duckham, F. A. Cobbold, Gen. Hutton, Donald McLeod, W. R. Church, Ben Wells, Cheltoni, Harrison Dick, etc., \$8.00 per 100.

Also Mrs. T. W. Pockett, C. J. Salter, Mrs. E. Thirkell, F. S. Vallis, W. A. Etherington, Guy Hamilton, and other standard kinds. If you did not receive our list, send for it.

Immediate Delivery. Splendid Stock. Our Motto: Your Money Back If You Want It.

CHARLES H. TOTTY, Madison, N. J.



YOUR FIRST THOUGHT

When the time comes to decide about

EASTER SUPPLIES

is where can I place my order to insure getting **"SELLABLE" STOCK** at the right time and at the right prices?

We have made **Extra Preparations To Take Care of Your Wants** and you will make no mistake by placing yourself in our hands.

DO IT NOW.

EASTER PRICE LIST.

Taking Effect Monday, April 17, 1905.

American Beauties—		Per doz.
30 to 40-inch	.....	\$5.00 to \$6.00
24-inch	.....	4.00
20-inch	.....	3.00
15-inch	.....	2.00
12-inch	.....	1.50
8-inch	.....	1.00
Short	.....	.75
Brides		Per 100
Maids	} Special A Stock	\$9.00 to \$10.00
Meteors		Select..... 6.00 to 8.00
Gales	Good Average.....	5.00 to 6.00
Perles—Fancy	.....	6.00 to 8.00
Medium	.....	4.00 to 5.00
Roses—Our Selection	.....	5.00
Liberly	.....	10.00 to 15.00
Carnations—Extra Fancy	.....	5.00
Good Average	.....	3.00 to 4.00
Easter Lilies—Select	.....	12.50 to 15.00
Callas	.....	12.50 to 15.00
Lilac—Purple and white		Per doz.
.....		1.00 to 1.50
Wild Smilax—No. 1 Case, 25 lbs.		\$3.25.
No. 3 Case, 50 lbs., 6.00.		Per 100
Tulips—Double	.....	\$4.00 to \$5.00
Single	.....	3.00 to 4.00
Daffodils—Double, Ex. Fine	.....	3.00 to 4.00
Dutch Hyacinths	.....	4.00 to 6.00
Vulley	.....	3.00 to 4.00
Asparagus—per String	.....	25.00 to 50.00
Sprays	.....	3.00 to 4.00
Sprengerl	.....	4.00 to 6.00
Common Ferns, per 1000	\$3	.30
Galax	.....	1.00 to 1.25
Smilax—Extra Heavy	.....	15.00 to 18.00
Leucothoe	.....	1.00
Adiantum	.....	1.00 to 1.50
Single Janquils	.....	.50 to 1.00
Forget-me-nots	.....	1.50
Pansies	.....	1.00
Violets—Single	.....	.75
Double	.....	.75 to 1.00
Sweet Pens	.....	1.00 to 1.50

Fancy Easter Lilies.

We can furnish select blooms and which have been especially grown for us by one of the most successful Lily Growers in the country.

Advise us as to number desired, either **FLOWERS** or **PLANTS**, and we will take pleasure in quoting.

We ship direct from greenhouses, which means but one handling between grower and buyer; thereby eliminating to a very large extent, the chance of bruising in rehandling. (Worth your while to consider this.)

Easter Novelties and Requisites.

		Per dozen.
Easter Chicks, Fancy imported	.....	\$3.00
Easter Ducks, Fancy imported	.....	3.00
Cotton Chicks and Ducks	.25c to	1.00
Mats, plain and fancy	\$2.00 to	2.50
Waterproof Crepe Paper	.....	2.25
Common, all colors	.....	.75
Fancy Pearl Corsage Pins, assorted colors, 15c to 1.00 per doz.; per gross	\$1.00 to \$6.00	
Doves, 1st quality	.....	12.00
2nd quality	.....	10.00
3rd quality	.....	8.00
Violet Tin Foil, per lb., 35c; 3 lbs., \$1.00; 100 lbs., \$25.00.		

Boston Ferns.

Choice Stock.	Doz.
5-inch	.....\$5.00
6-inch	.....8.00
7-inch	.....10.00

Write for special price on quantity. **Azaleas, Lilies and other Pot Plants.**

Send us a list of your requirements for prices.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

Bassett & Washburn's EASTER LILIES

25,000 Fancy Japanese Longiflorum Lilies
averaging three to five blooms to a stalk.
Price, \$2.00 per dozen or \$12.00 per hundred.

We also grow fancy Beauties, Liberties, Brides,
Bridesmaids, Chatenay and other fancy roses.
Fancy Carnations, Bulb Stock and
Greens of all kinds.

Office, 76 Wabash Ave.,
CHICAGO.

Greenhouses,
Hinsdale, Ill.

H. WEBER & SONS

Announce the completion of arrangements whereby they
will, beginning in January 1906, disseminate jointly with

THE E. G. HILL CO.

THEIR TWO GRAND NEW CARNATIONS

My Maryland AND Jessica

MY MARYLAND is already well and favorably known, having been exhibited freely at the various flower shows and florist club meetings the past Fall and Winter, and in every case elicited the highest praise and most favorable comment. We pick this variety to quickly and easily displace all other whites for first honors, not only in exhibition, but in commercial points as well. We claim for it a robustness of constitution quite unequaled in any other variety and an ease of culture that will delight the heart of the grower. The great vigor of both parents (Norway X Lawson) seems united and improved upon in this variety.

Both of the above are free propagators. We are thoroughly familiar with them and know what they will do. We will be in a position to deliver stock early and on time, and assure the trade that no disappointments will result on that score.

We have already booked many orders. It pays to be early. Orders booked are subject to cancellation by the buyer if unsatisfied with either variety up to the time the cuttings are received.

PRICE: \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

WEST OF PENNSYLVANIA, address

EAST OF OHIO, address

E. G. HILL CO., Richmond, Ind. **H. WEBER & SONS,** Oakland, Md.

In JESSICA we have, in the red and white variegated class, what **My Maryland** will prove amongst white. It is descended through several generations of variegated seedlings of Hellen Keller and Bradt extraction on the one side and Lawson on the other. A strong, thrifty growing variegated seedling bearing the seed. It is a trifle heavier in growth than **My Maryland** and just Lawson height. Aside from these differences and the color, the description of **My Maryland** applies to **Jessica**. Under favorable conditions four-inch blooms are not uncommon. We pick **Jessica** to win over any other variegated variety.

BEGIN NOW

TO SEND YOUR
Easter and Spring Orders to US.

OUR AIM

Is to supply our Customers with the best and latest in Cut Flowers, Supplies and Novelties. * * * * *

We handle the output of

30 GROWERS

Make Wire Designs, handle all Florists' Supplies and are Headquarters in Northern Ohio for Hardy Ferns and Galax Leaves.

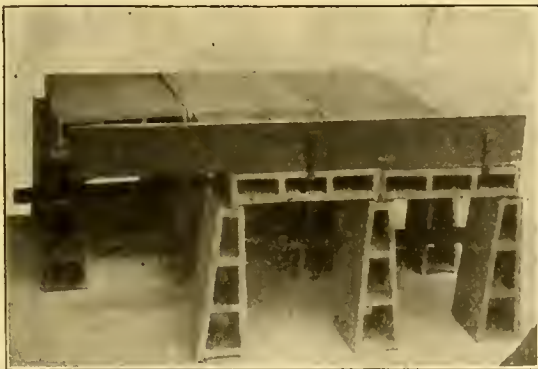
ORDER NOW

Cleveland Cut Flower Company,

52 and 54 High Street, CLEVELAND, O.

The Everlasting Greenhouse Bench HAS BEEN FOUND.

A Tile Bench With Tile Legs, Easy to Put Up, Movable and Never to Wear Out. Each Piece Interlocks, Making the Bench one Solid Piece.



Write for
Prices.



Some Good Points.

Quicker to put up than wood. Is no home for bugs.
It will last forever.

Will never sag or fall down, as it has about five times the support that a wooden bench has. It is porous.

THIS tile bench is made in double compartment slabs fifteen inches wide and any length desired to 26 inches, according to the width of the bench.

The height of the bench is 2 feet to the top of the side-board, which makes the bench alone stand 18 inches high.

AGENTS

Cleveland Cut Flower Company,

52 and 54 High Street, CLEVELAND, OHIO.

Easter Lilies Easter

60,000 Lilies Ready.

Stock Superb. Per 1000.....\$125.00

— ALSO —

Hydrangea Otaksa, 3 to 16 blooms, at 25c. per bloom.
Azaleas, all sizes, from 50c to \$3.00 each.
Spirea Gladstone, **Rhododendrons**, **Deutzias**, **Genistas**,
Hyacinths, **Tulips**, **Daffodils**, in pots and pans.

Cut Flowers

Roses, **Carnations**, **Cut Lilies**,
Tulips, **Daffodils**,
Asparagus, **Smilax**,
in any quantity.

PRICES RIGHT.

Lakeview Rose Gardens
JAMESTOWN, N. Y.

Wholesale TRADE LIST.

Asparagus Plumosus Sprengeri and **Decumbens**, 3-inch pots, 75c. per doz., \$5.00 per 100.
Ampelopsis Veltchli, 3-inch pots, 75c. doz., \$5.00 per 100; 4-inch \$1.50 per doz., \$10.00 per 100.
Clematis, large flowering variety, 2 years old, 5-inch pots, \$3.00 per doz.
Dracaena Indivisa, 3-in., 75c. per doz., \$5.00 per 100; 4½-in. pots, \$2.00 per doz.; 6-in. pots, \$3.00 per doz.
Geraniums, scarlet, pink and white, 3-inch pots, 60c. per doz., \$4.00 per 100.
Honeysuckle (Halliana), 5-inch pots, \$1.50 per doz.; \$10.00 per 100.
Ivy, hardy, large leaves, 3-inch, 75c. per doz., \$5.00 per 100; 4 in. pots, \$1.50 per doz.; \$10.00 per 100.
Moon Vines, 3-in. pots, 75c. per doz., \$5.00 per 100.
Vinosa, Variegated, 3-in., 75c. per doz., \$5.00 per 100; 4½-in. pots, \$1.50 per doz., \$10.00 per 100.
Myosotis, clumps from open ground, 60c. per doz.; \$1.00 per 100.
Panicles, separate colors, yellow, white and blue, \$2.10 per 100.
Polisoties, stock plants, dormant, 5-inch pots, \$1.50 per doz., \$10.00 per 100.
Stock from 2½-in. pots, \$3.00 per 100.
Asparagus Plumosus, **Comorensis**, **Sprengeri** and **Decumbens**, **Alyssum**, **Little Gem**, **Antirrhinum**, white; **Abutilon Savitzii**; **Ageratum**, blue and white; **Coleus**, **Verachaffeltii**, **Golden Bedder** and fancy varieties, **Cobra scandens**, **Clematis** paniculata, **Dracaena Indivisa**, **Fuchsia**, double and single; **Feverfew**, **Little Gem**, **Geranium Mme. Sallerol** (strong) and **Mrs. Parker**; **Lobelia**, dwarf blue; **Nasturtium**, dwarf; **Petunias**, double white; **Plox Drummondii**, dwarf; **Salvia**, **Sandewleria Zeylanica**, **Swainsona alba**, **Verbenas**, mammoth varieties, **Impatiens Sultan**.

Chrysanthemums, best standard varieties, rooted cuttings, from soil, \$2.00 per 100.
Carnations, pot grown, per 100: **Enchantress**, \$4.00; **Boston Market**, \$2.50; **Red Sport**, \$6.00. **Flamingo**, \$6.00; **The Queen**, \$3.00; **Mrs. Fisher**, \$3.00. Strong rooted cuttings from soil, per 100: **Flora Hill**, **Queen Louise**, **Scott**, **Joost**, **Crocker**, \$1.50; **Crane**, \$2.00; **Enchantress**, \$3.00.
Carnations, for summer flowering, **Mrs. Fisher**, white; **Vulcan red**, from soil, \$2.00 per 100.
Clematis paniculata, 4-in., \$1.50 per doz.; \$3.00 per 100.

C. Eisele, 11th & Jefferson Sts.
PHILADELPHIA, PA

WHEN WE SAY THAT WE CAN FILL
YOUR ORDERS WITH THE

BEST EASTER STOCK

That can be found on this market, we talk direct from
the shoulder, for we can fully back up our assertions.

Why?

Because we carry the kind of stock that you are looking for, as we make a specialty of producing high grade stock of all kinds. For Easter we shall have an extra fine quality of **Harrisii** in large quantities, as well as

ROSES AND CARNATIONS

In addition to the cutting of a choice line of stock from our own large greenhouses, we also handle the production of a number of the best growers in this city, thereby placing us in a position to fill all orders in a very satisfactory manner, as a trial order will convince you. We are **cutting heavily of Maids and Brides** of extra fine quality. Also a choice variety of **high grade Carnations**. **Easter Lilies** will be equal to any demand. However, the **long stem grade** will be scarce. It is on this grade that we will be particularly heavy.

So if you wish to avoid disappointments and want your orders filled satisfactorily, just give us a call and you will be more than pleased that you called upon us.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

Chrysanthemums.

Dr. Enguehard, Wm. H. Duckham, from 2¼-in. pots, at \$10.00 per 100; \$1.50 per doz.

Mlle. Marie Liger, **Yellow Eaton**, **Ethelyn**, **Miss Alice Byron**, from 2¼-in. pots, at \$4.00 per 100; \$35.00 per 1000.

General Assortment.

The following from 2¼-in. pots, \$3.00 per 100; \$25.00 per 1000.

Rooted cuttings, \$2.00 per 100; \$15.00 per 1000.

WHITE. Early—George S. Kalb, **Polly Rose**, **Willowbrook**. Mid-Season—Miss Minnie Wamaker, **Ivory**. Mrs. H. Robinson, **Niveus**, **Queen**. Late—Mrs. McArthur, **Timothy Eaton**, **W. H. Cundwick**.

PINK. Early—Glory of the Pacific. Mid-Season—Pink Ivory, J. K. Shaw, **Adela**, **Mrs. Perrin**. A. J. Balfour. Late—Maud Dean, **Lavender Queen**, **The Harriot**.

YELLOW. EARLY—Monrovia. Mid-Season—G. Picher, C. J. D. Appleton, **Golden Gate**. Late—Major Bouttaffon, **Mrs. Trenor L. Park**.

RED. Cullingford. **BRONZE**. Kate Broomhead.

A. N. PIERSON,

Roses.

Grafted and own root stock of the following varieties of Roses: **IVORY**, **Bride**, **Bridesmaid**, **Meteor**, **Madame Hoste**, **Golden Gate**, **Mrs. Pierpont Morgan**, **Mme. Abel Chafanay**.

Grafted, \$35.00 per 100; \$120.00 per 1000; for A No. 1 stock; nothing else will be sent out.

The above varieties on their own roots, from 2¼-in. pots, \$5.00 per 100; \$45.00 per 1000.

Sunrise. On own roots, from 2¼-in. pots, \$8.00 per 100; April, May and June delivery.

American Beauty. Own roots, from 2¼-in. pots, \$8.00 per 100; \$75.00 per 1000. 3 in. stock, \$12.00 per 100; \$10.00 per 1000. April, May and June delivery.

EXTRA FINE CRAFTED KILLARNEY

in 2¼-in. pots, \$25.00 per 100. Special prices for larger quantities on application.

Carnations.

Rooted cuttings now ready of all reliable and well-known varieties. Send for price list.

Cromwell,

FOR EASTER Our stock is large and covers everything in season in : : :

Cut Flowers

FINE LONG STEMMED LILIES, BOTH CUT and POTTED. AMERICAN BEAUTY Roses; BRIDE and BRIDESMAID Roses. CARNATIONS in all varieties, HYACINTHS, TULIPS, DAFFODILS, LILY OF THE VALLEY, DAISIES, FREESIA, LILAC, SMILAX, ASPARAGUS, GALAX and other GREENS.

Send us your orders and be certain they will be billed complete.

We Never Disappoint. Ship Promptly. and Handle only the Finest Stock. Write, Phone or Telegraph * * * * *

Leo Niessen Company,

1217 Arch St., Bell 'Phone, Walnut 595-596. Keystone 'Phone, Rose, 1360-1361. PHILADELPHIA, PA.

The Fine New Pink Rose **LA DETROIT**

	Per 100	Per 1000
2½-inch.....	\$ 8.00	\$ 75.00
3½-inch.....	12.00	100.00

The Three Grand New Chrysanthemums **MAJESTIC, ADELIA and MADONNA**

	Per dozen	Per 100
2-inch.....	\$3.00	\$15.00

THREE FINE

Snapdragons

White, Pink and Yellow.

\$6.00 per hundred; \$50.00 per thousand.

White Lawson

From 2-inch pots, \$6.00 per hundred;
\$55.00 per thousand.

JOHN BREITMEYER'S SONS.

DETROIT, MICH.

Newport, R. I.

TRADE VERY BRISK.

A splendid week to look back upon is everybody's report of the past six days. The weather has been perfect, and both large order business and retail counter trade has been very active with the seedsmen. The frost is about out of the ground, and, although the soil is not yet wholly settled much early planting is being done. Potatoes, oats, grass seeds, sweet peas and onion sets are going into the ground fast. As stated weeks ago, everything bids fair for the best season we have had in years, not only with the seedsmen, but in every branch of the agricultural and horticultural trade. Our florists have had a busy week and are now looking forward and preparing for the Easter business which even now is being talked of as a large trade.

NOTES.

F. L. Zeigler has had an especially good run the past week on funeral orders; he has been receiving some very fine pansies and violets.

Gardeners and caretakers of grounds, etc., state that the season, so far as being able to clear up places is concerned, is at least two weeks behind last spring.

Alexander Adam will take charge of the glass and gardens at Oakland Farm for Alfred G. Vanderbilt. Mr. Adam has been for many years head gardener to Eben D. Jordan at Chiltonville, Plymouth, Mass.

The first prize of \$15 for twelve blooms of American Beauty roses, awarded by the Massachusetts Horticultural Society at their recent spring exhibition, went to Arthur Griffin, gardener to Commodore E. T. Gerry at Seaverge.

Carl Jurgens and wife have gone on a two weeks' visit south, and will return in season for the marriage of their son, Carl Jurgens, Jr., to Miss Florida Hubbard, April 10. Their daughter, Mrs. Parker, is here from Providence to remain until their return.

The monthly meeting of the executive committee of the Newport Horticultural Society took place last Saturday evening, when matters were discussed that will be presented to the society at its regular April meeting on the 5th. Many matters need adjustment, and the meeting will be very largely attended.

The Newport Horticultural Society is arranging the schedule for its coming shows. It is proposed to have one at least in the Casino, the dates to be determined later. The rose and strawberry show will be in June and the summer show in the Newport Casino the latter part of August or early in September. The latter show will be an exhibition especially for the summer people and Newport visitors and will be one of the society events of the coming season. X.

ALLIANCE, O.—George H. Bowditch, formerly foreman of the Poehlmann Brothers Company, at Morton Grove, Ill., is now manager of the Lamborn Floral Company of this city, in which he has an interest. This company has just been incorporated and intends to build 50,000 feet of glass at once and will build the same amount next year to grow cut flowers exclusively. The John C. Moninger Company, Chicago, has the contract.

SURPLUS

—OF—

THE ELIZABETH NURSERY COMPANY.

WILLOW VITELLINA.

5 to 6 feet..... Per 100 \$6.00

EVERGREENS.

We have a large and fine selection of evergreens transplanted two years ago. Seed for our wholesale list.

CALIFORNIA PRIVET.

California Privet, 12 to 15 inches..... Per 1000 \$ 9.00
California Privet, 18 to 24 inches..... 15.00
California Privet, 2 to 3 feet..... 20.00

HYDRANGEAS.

Hydrangea P. G., 5 to 6 feet..... Per 100 \$30.00
" " 3 to 4 feet, XX 11.00
" " 3 to 4 feet, X 9.00
" " 2 to 3 feet 6.00
" " Standards 1st cl. 15.00

ALTHEAS.

Standards, 4 to 5 feet..... 25.00
Bush double, 3 to 4 feet 7.00
" " 5 to 6 feet 15.00

WEIGELIAS.

2 to 3 feet, very strong 6.00
3 to 4 feet..... 7.00
4 to 5 feet..... 9.00
5 to 6 feet..... 15.00

ENGLISH IVY.

Ivy, 3½-inch pots..... 3.00

50,000 BOXWOOD.

3 to 4 inches..... Per 1000 \$ 15.00
4 to 5 " 30.00
5 to 6 " 50.00
12 " 200.00
12 to 15 " 300.00
2 to 5 feet, See wholesale list.

CLEMATIS PANICULATA.

Clematis Paniculata, 2-yr. No. 1..... Per 100 6.00
" " 3-yr. XX 8.00
" " XXX 10.00

HONEYSUCKLES.

Honeysuckle Hallelana, 2-yr., fine..... Per 100 \$50.00
" " " 70.00
" " Evergreen (Chinese) 2-yr. 50.00
" " Japan Golden, 2-yr. 35.00
" " 3-yr. 50.00
See wholesale list for other varieties.

MAGNOLIAS.

Magnolia Conspicua, 4 to 5 feet..... Each \$1.00
" " Soulangiana, 4 to 5 feet..... 1.00
Taxus Baccata, 3 to 4 feet 1.25
Cedrus Deodora, 2 feet..... .40
" " 18 inches..... .30

600,000 ROSES.

IN 2-INCH POTS.

We have one of the finest stocks of well-grown Roses in 100 varieties, in 2-inch pots in this country. We will be glad to estimate on order for this Spring or future delivery, \$25 to \$35 per 1000.

CLIMBING AND TRAILING ROSES.

Dawson, Dorothy Perkins,
Evergreen Gem, Farquhar,
Gardenia, Helene,
Jersey Beauty, Manda's Triumph,
Philadelphia, Pink Rambler,
Pink Roamer, Setigera,
So. Orange Perfection, Universal Favorite,
White Rambler, Wichuriana,
Yellow Rambler, Crimson Rambler.

HYBRID TEA ROSES.

Baldwin (Helen Gould), Climbing Meteor,
Duchess of Albany, Gruss an Teplitz,
Helene Cambier, Kaiserin Augusta
Mme. Jos. Schwartz, Victoria,
Mme. Schwallier,
Sour. du Pres. Carnot, Mme. Cochet,
White Maman Cochet, Sour. du Wootton.

EVERBLOOMING TEA ROSES.

Bon Silene, Bridesmaid
Duchess de Brabant, Etoile de Lyon
Golden Gate, Snowflake
Ivory, Highland Mary
Perle des Jardins, La Princess Vera
Safrano

30,000 ROSES.

4-inch pots. For varieties see wholesale list.
Dorothy Perkins, 4-inch pots, per 100. \$10.00

Berberis Thunbergii, 10 to 12-inch, for transplanting. \$3 per 100; \$25 per 1000.

HYBRID PERPETUAL AND MOSS.

Alfred Colomb, Clio,
Anne de Diesbach, General Jacqueminot,
Magna Cha ta, Gloire Lyonnaise,
Paul Neyrou, Vick's Caprice.

HERBACEOUS PLANTS.

We have upwards of 300,000 field-grown plants, not including 45 varieties of Hardy Phlox and 200 varieties of Peonies, and over 200,000 2-inch pot plants. See wholesale list for varieties.

PEONIES.

Named varieties..... Per 100 \$10.00
Large double pink..... 6.00
Prince of Wales, pink, large clumps, 8 to 20 eyes..... 12.00

PHLOX, FIELD-GROWN.

We have 30 varieties in field-grown plants at \$5.00 and \$6.00 per 100. About 50,000 Phlox in 2-inch pots, \$3.00 per 100, \$25.00 per 1000. For varieties, see wholesale price list, pp. 22 and 23.

HARDY POMPON CHRYSANTHEMUMS.

70 Varieties.
See wholesale list, page 23. Per 100.
Field-grown plants..... \$6.00
2-inch pot plants..... 2.50

The Elizabeth Nursery Co.

ELIZABETH, N. J.

Please mention The American Florist when writing.

BOSTON FERNS.

Fine bushy plants for Easter and Spring sales. 3-inch, \$3.00; 4-inch, \$15.00; 5-inch, \$25.00 per 100; 6-inch, 40c; 7-inch, 60c; 8-inch, 75c each.

CASH WITH ORDER.

W. B. DAVIS, Geneva, Ill.

Please Mention The American Florist When Writing.

For Easter..

LONGIFLORUMS.

Our Lilies are packed at the greenhouse, 75 in a box, and shipped to buyer in the original packages thus avoiding bruising by repacking and handling. Quality and care have made us headquarters for those who desire the best LILIES for Easter.

WHITE LILAC.

Our Lilacs have been in great demand this season. We have had an extra amount brought out for Easter so as to be able to fill your orders.

TULIPS } Double Murillo Yellow and White

DAFFODILS, JONQUILS, VALLEY, White and Purple DUTCH HYACINTHS.

These have been our Easter specialties for years.

ROSES AND CARNATIONS

To please the most careful buyers.

AMERICAN BEAUTY and LIBERTY.

VIOLETS.

Hudson River Grown.

WE SOLICIT CORRESPONDENCE IN REFERENCE TO ANY LARGE AMOUNTS OF ANY KIND OF STOCK YOU MAY NEED.

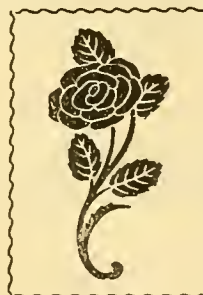
EASTER PRICES.

	Per 100
American Beauties, extra long.....	\$50.00
" " 30-inch.....	40.00
" " 24-inch.....	30.00
" " 18-20 inch.....	25.00
" " short.....	\$6.00 to 12.00
Liberties.....	6.00 to 15.00
Brides and Maids, long, select.....	8.00 to 10.00
" " good stock.....	6.00
" " short stems.....	4.00
Carnations, large fancy.....	5.00
" " good stock.....	4.00
" " common.....	3.00
1000 lots, our selection, \$25.00	
Longiflorum Lilies.....	12.50 to 15.00
Calla Lilies.....	12.50
Valley, fine.....	3 00 to 4 00
Galax..... per 1000, \$1.00	
Adiantum.....	1.00
Smilax.....	\$15.00 to 18.00
Asparagus Sprengeri..... per doz., 35c	
" Plumosus, sprays.....	3.00
" strigs.....	50.00
Ferns, fancy..... per 1000, \$3.00	
Varcissus and Romans.....	3.00
Violets, double.....	1.00
White Lilac, very fine.. per doz., \$1.00	
Tulips, double.....	4.00 to 5.00
" single.....	3.00
Daffodils and Jonquils, double.....	3.00
Leucothoe.....	.75
Sweet Peas.....	1.00 to 1.50

A. L. RANDALL COMPANY

19 RANDOLPH STREET, CHICAGO.

Easter Lilies



We have an immense stock of Longiflorums, both cut and pot plants, in prime condition. We can take care of all your orders for Lilies and also all other flowers at lowest market rates. Write, 'Phone or Wire us—We will do the REST.

FOLDING CUT FLOWER BOXES

We are agents for the largest and best equipped Box Factory in the country. Our boxes cannot be beaten in quality. Our prices are right. There are lower prices than ours—the quality is also lower. GET THE BEST. A postal brings PRICES.

Holton & Hunkel Co.,

Without Doubt the Best Equipped Wholesale House in the Country.

462 Milwaukee Street,

MILWAUKEE, WIS.

FOR EASTER

WE OFFER A LARGE AND
COMPLETE LINE OF

Beauties, Brides, Maids,
Liberty, etc.

LILIES, CARNATIONS.

Bulbous stock in variety, and everything else in season. Let us have your order early so as to enable us to furnish you just the kind of stock you want.

The Benthey-Coatsworth Co.

35 Randolph St., CHICAGO.

FOR EASTER

We can offer you prime grand stock, such as you can get nowhere else.

LILIES, CUT AND POTTED.

VIOLET PLANTS Usually in good demand.
Will be plentiful with us.

ROSES IN VARIETY All the standard sorts,
and the finest grown.

FANCY CARNATIONS.

BULBOUS STOCK IN SEASONABLE VARIETIES. MARGUERITES, Growing Plants in Fine Shape
VIOLETS, STOCKS, PANSIES. In fact, everything seasonable you may need in Cut Stock and Potted Plants.

FORD BROS. 48 West 28th St. NEW YORK
Bell 'Phones 3876-3871 Madison Sq

Extra Choice

Long Stemmed

LILIES

Cut and Plants.

Samuel S. Pennock,

THE WHOLESALE FLORIST OF PHILADELPHIA, PA.

EASTER

CUT FLOWERS IN ABUNDANCE.

NO SHORTAGE HERE. ❀ ❀ ❀

LILIES IN VARIETY, **Finest Grown.** **ROSES** IN ALL STANDARD VARIETIES.

CARNATIONS, every variety **From Best Growers.**

Tulips, Hyacinths, Daffodils, Narcissus,

Lily of the Valley, Daisies, Lilacs.

THE LARGEST VIOLET HOUSE IN AMERICA.

There is Nothing You Can Order in Season I Cannot Supply
AND YOU CAN RELY ON THE QUALITY. ❀ ❀ ❀ ❀ ❀

WILLIAM GHORMLEY Wholesale
Commission Florist.

57 West 28th Street,
Telephones, 2200-2201 Madison Square.

NEW YORK.

For Easter

After Easter

We will be in our new quarters, the entire 4-story building, located at 228 Diamond St., and we will be better able than ever to look after your interests. Give us your Easter order and we are positive you will not be disappointed. We are headquarters for the finest line of

Home Grown Carnations

In Western Pennsylvania.

Also Carry a large variety of fancy Beauties, Liberty and Tea Roses, Hudson River Violets that are unsurpassed, Lily of the Valley and Bulb stock in large varieties.

We are making a specialty of potted plants, and at present have a large quantity of Azalea, Longiflorum Lilies, Cyclamen, blooming Rose Bushes, etc., to dispose of. Consignments solicited.

Write for our weekly price list. Store open from 7 a. m. to 8 p. m. week days, Saturday all night, Sunday 8 a. m. till noon.

Pittsburg Florists' Exchange

Wholesale Commission Florists.

P. J. DEMAS, Proprietor.

228 Diamond St., PITTSBURG, PA.

Phones, Bell 1259 Court. P. A. 1547 Main.

Decoration Day

All Days

Carnations

ROOTED CUTTINGS.

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise, Peru.....	1.00	9.00
RED.		
Estelle.....	2.50	20.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00
PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
CHATENAY.		
Perle von Godesberg.....	3.00	25.00
Liberty.....	5.00	40.00

	Per 100	Per 1000
American Beauty.....	\$ 6.00	\$50.00
La Detroit.....	6.00	50.00
UNCLE JOHN, KAISERIN....		
	3.00	25.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory, Perle.....	3.00	25.00

AM. BEAUTY BENCH PLANTS, per 100.....\$6.00; per 1000.....\$50.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Bedding Plants.

	Per 100	Per 1000
Alternanthera, red and yellow.....	2½-in. R. C.	\$.50
Ageratum, dwarf, blue and white.....	\$1.75	.60
Alyssum, sweet, Giant double.....	2.00	.75
Carnations, rooted cuttings, 2-in. and 3-in.; price list mailed.		
Cannas, in varieties, started, \$5.00.		
Coleus, transplanted, from flats.....	2.00	1.00
Coleus, in varieties.....	2.00	.70
Dusty Miller, transplanted from flats.....	2.00	1.00
Feverfew, Little Gem, true.....	2.00	1.00
Fuchsia 6 named varieties.....	2.50	1.00
Geranium, in varieties.....	2.50	1.00
Heliotrope, in varieties.....	2.00	1.00
Petunia, double fringed.....	2.50	
Petunia, single fringed, transplanted, strong, \$1.00.....	2.00	
Lemon Verbena.....	2.50	
Lobelia Compacta, dwarf, and Speciosa, transplanted.....		1.00
Smilax, transplanted from flats, \$1.00 per 100.		
Pansies, 300,000 splendid plants, ready to ship, \$12.50, \$10.00, \$6.50, \$4.00 and \$3.00 per 1,000, according to size of plants; sample free.		
Pansies, white, blue, black, purple and yellow, separate colors, transplanted; per 100, \$1.00.		
Smilax, 25,000, transplanted from flats, strong; per 1000, \$8.00; smilax trans. from flats, \$1.00 per 100.		
Forget-me-not, 3 varieties, transplanted, \$1.00 per 100.		
Daisy, Longfellow and Snowball, transplanted, \$1.00 per 100.		
Dracaena Ind., 3-in. to 4-in., \$6.00 and \$10.00.....	2.00	
Ferns, Boston, 3-in. to 4-in., \$6.00 and \$12.00.....	3.00	
Salvia, in varieties.....	2.00	1.00
Umbrella Plants, transplanted from flats, 1 or 2-in., \$2.00 per 100.		
Verbenas, in colors, transplanted; per 1000, \$5.00.....		.60
Vincas, 3-inch, \$6.00 per 100.....	2.00	1.00
Vegetable Plants, price list mailed free. Cash with order. By mail add 10c per 100 for rooted cuttings and seedlings.		

LUDVIG MOSBAEK, Onarga, Ill.

Please mention the American Florist when writing.

EASTER LILIES

5,000 pots of Lilies in fine shape for **EASTER**. Foliage full length of stem, 3 to 15 buds per plant, at 10c and 12c per bud.

Samuel J. Bunting,

Elmwood Ave. and 58th Street,
PHILADELPHIA, PA.

Please mention the American Florist when writing.

Carnations

Rooted Cuttings Ready Now except as noted.

Lady Bountiful. Undoubtedly the best all-around White Carnation to date. All should grow it. \$6.00 per 100; \$50 per 1000.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000. Strong plants from soil.

	Per 100	1000		Per 100	1000
Cardinal, new scarlet.....	\$12.00	\$100.00	Prosperity, fancy.....	\$ 3.00	\$ 25.00
Cristis, new scarlet.....	12.00	100.00	Queen Louise, white.....	1.75	15.00
Crusader, red.....	5.00	40.00	Red Lawson, new red.....	10.00	75.00
Dahelm, crimson.....	6.00	50.00	Richmond Gem, new scarlet...	10.00	75.00
Eclipse, Dorner's pink.....	12.00	100.00	The Belle, white.....	6.00	50.00
Flamingo, scarlet.....	6.00	50.00	Vesper, white.....	5.00	40.00
Gecevee Lord, light pink....	1.75	15.00	Variegated Lawson, variegated	12.00	100.00
Indianapolis, pink.....	5.00	40.00	White Cloud, white.....	1.75	15.00
Mrs. Lawson, pink.....	3.00	25.00	White Swan, new white.....	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

Geraniums

	Per 100
10 varieties, fine plants, 2½-in. pots.....	\$3.00
10 varieties, fine plants, 3¼-in. pots.....	4.00
Alternantheras, red and yellow.....	2.00
Asp. Plumosa Nanus, 2¼-in. pots.....	2.00
Asp. Sprenger, 2¼-in. pots.....	2.00
Verbenas.....	2.00
Vinca Vine, Var.....	2.50

CASH or C. O. D.

JOS. H. CUNNINGHAM, Delaware, Ohio.

ROOTED CUTTINGS

Carnations and Chrysanthemums. Strong soil plants of Lady Campbell Violets. Send for list.

WM. SWAYNE

Box 226, KENNETT SQUARE, PA.

COLEUS....

	Per 100
12 varieties, 2¼-inch pots.....	\$2.00
Petunias, double.....	3.00
" seedlings.....	2.50
Centaurea Gymnocarpa.....	2.00
Primroses, Chinese, Oboonlos and Forbesi July 1.....	2.00
Cannas, 10 varieties, 4-in. pots.....	5.00

Sweet Peas

BLANCHE FERRY.

Can make large or small shipments from now till end of June. Write or w'te.

FRANK MCGOWAN Utica, N. Y.

GEO. REINBERG

51 Wabash Avenue, CHICAGO.

Our cut all season has been something wonderful for both quantity and quality. At Christmas we had a cut, especially of Beauties that was the wonder of the Chicago market. We are right

IN LINE FOR EASTER

With another very heavy crop, and quality A1. Let us supply you for Easter. We can give you what you want and the way you want it. And will do it; just send us your order.

AMERICAN BEAUTIES.

Use the letters to indicate length and price.

Extra Long Selected—X.....	per doz.,	\$4.00 to \$6.00
32-36 inch—A.....	per doz.,	3.00 to 5.00
28-30 inch B.....	per doz.,	2.50 to 4.00
24-26 inch C.....	per doz.,	2.00 to 3.00
18-21 inch D.....	per doz.,	1.50 to 2.00
12-15 inch E.....	per doz.,	1.50
8-10 inch F.....	per doz.,	1.00
Short Stem G.....	per 100,	4.00 to 6.00

Per 100

Harrisii.....	\$12.50 to \$15.00
Callas.....	12.50 to 15.00
Tulips.....	3.00 to 5.00
Daffodils.....	3.00 to 4.00
Narcissus.....	3.00 to 4.00
Lily of the Valley.....	3.00 to 4.00
Select Violets.....	.75 to 1.00

I can quote you prices any time on large quantities of either Roses or Carnations for a special sale or funeral work at a low price. I solicit your esteemed patronage. **We have the goods.** Buy direct from the Grower and get the best stock, at the right price, and the best all-around treatment. You save money by so doing both in price and quality of stock.

800,000 SQUARE FEET OF GLASS. WHY CAN'T I SUPPLY YOU?

Please mention the American Florist when writing.

LILY OF THE VALLEY

FOR EASTER.

ASK YOUR COMMISSION DEALER FOR BRUNS' VALLEY AND GET THE BEST.

Valley Pips and Cut Flowers

H. N. BRUNS, 1409-1411 W. Madison St. CHICAGO.

Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Casslers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000. Extra large plants coming in bud, \$1.00 per 100.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000; 2 1/2 in., \$1.50 per 100.
Stocks, dbl. white for Easter, \$1 per 100; \$8 per 1000.
Daisies, dbl. white, 75c per 100; \$5.00 per 1000.
Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000.
Salvia Splendens, \$1.00 per 100.
Lobelia, dwarf blue, \$1.00 per 100.
Ageratum, dwarf blue, 60c per 100.
Roses, Clothilde Soupert, in bud or bloom, 4-inch, \$12.00 per 100.
Geraniums, Nuit, Ricard, La Favorite, Vland and Poltevine, 4-in., in bud and bloom, \$6.00 per 100.
Petunias, double fringed; dark blue Heliotropes, bud and bloom, 4-inch, \$6.00 per 100.

HILL TOP GREENHOUSES, 15 Gray Ave., Ulica, N. Y.

CARNATIONS

SPECIAL PRICES.

Queen Louise.....	Per 1000	Mrs E. A. Nelson.....	Per 1000
Floriana.....	\$ 7.50	Harry Fenn.....	\$10.00

50,000 Queen Louise ready now, the others the latter part of April and early in May.

GERANIUMS.

Big lot of rooted cuttings ready the 17th. Send for Summer Price List.

SMILAX.

If you buy 25 plants or 25,000 send for prices. I have **SMILAX** and **ASPARAGUS** in any quantity, well-grown and carefully packed.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Indianapolis.

BUSINESS QUIET.

Business in this city is very quiet at present, so much so, in fact, that the local output of cut flowers is more than sufficient to supply the demand, and many a box of fine roses and carnations is shipped to outside markets. Violets, it is safe to say, will not hold out till Easter, owing to the warm and bright weather prevailing. Bulbous stock will also be out.

The State Florists' Association of Indiana held its spring show in the state house. It was well attended, exhibits were very creditable and the financial results were all that could be expected. In pot plants the local florists naturally were stronger, but in cut flowers many of the outside members took high honors. In connection with the show a short business meeting was held.

The premiums were awarded as follows:

Carnation.—White, Baur & Smith, first; E. G. Hill Company, second. Pink, John Hartje, first; Baur & Smith, second. Light pink, W. W. Coles, first. Red, E. G. Hill & Company, first. Any other color, John Hartje, first; Bertermann Brothers, second. Novelty (certificate), Weber & Sons, Oakland, Md., for Jessica, My Maryland. E. G. Hill & Company for Cardinal.

Daffodils.—Bertermann Brothers, first; E. Huckriede & Son, second.

Sweet peas.—Baur & Smith, first.

Hyacinths.—E. Huckriede & Son, first; H. W. Rieman, second.

Two pans of tulips.—Bertermann Brothers, first; H. W. Rieman, second.

Cineraria.—Bertermann Brothers, first; H. W. Rieman, second.

Cyclamen.—Bertermann Brothers, first.

Primula.—H. W. Rieman, first; Bertermann Brothers, second.

Azaleas.—Bertermann Brothers, first; H. W. Rieman, second.

Spirea.—H. W. Rieman, first; E. Huckriede & Son, second.

General display.—Bertermann Brothers, first; H. W. Rieman, second.

Roses.—White, W. W. Coles, first; E. A. Nelson, second. Pink, W. W. Coles, first; E. A. Nelson, second. Red, W. W. Coles, second.

Some competing exhibits of high merit were:

A decorative group of pot plants and cut flowers, for which a vote of thanks was tendered to A. Wiegand & Son.

Two fine specimen plants of rhododendron, E. Huckriede & Son.

Vases of Candace, a pink carnation of high merit shown by John Hartje and Indianapolis Flower & Plant Company.

NOTES.

E. A. Nelson is reported sick.

S. Smith has returned from a business trip in Texas.

Baur & Smith and Smith & Young Company are making rapid strides with their building.

A baby girl has made its appearance in Martin Nelson's family.

WINTERS, CAL. — The Women's Improvement Club will hold a floral festival commencing April 13. Prizes will be given for the best display of roses and for the best single rose of named varieties. The proceeds will go towards assisting in building the new town hall.

Vaughan's Forcing Bulbs.

FOR SEASON 1905.



Dutch Miniature Hyacinth L'INNOCENCE.

Our arrangements for high grade bulbs of Lilium Harrisii, French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley and picked bulbs of all Dutch Hyacinths, Tulips, Narcissus and Spiraea are unexcelled.

By combining your order for a full line of this stock with us, you get each in season and all at the closest cost for high-grade stock. Economy in carload freight shipments and large importations supply half our profits.

We can save you money on this stock. Write us for prices before buying.

VAUGHAN'S SEED STORE, NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

**READY
NOW**

Gen. MacArthur.

THE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.

2½-inch Pot Plants, own roots.....\$10.00 per 100, \$80.00 per 1000
Strong Grafted Stock from 3-inch pots.....\$12.00 per 100

The STORRS & HARRISON CO.
PAINESVILLE, OHIO.

Rooted Cuttings

Prepaid per 100.
AGERATUM, Gurney. **ALTERNANTHERAS**, best red and yellow, 50c; \$1.00 per 100. **COLEUS**, best heddars, 60c. **FUCHSIA** Trophee and other good sorts, \$1.00. **SALVIA** Bonfire and Splendens, 90c. **HELIOTROPE**, blue. **PETUNIA**, 10 best sorts, \$1.00.

ALTERNANTHERAS. Best red fine 2 inch, \$1.75 by express.

BYER FLORAL CO., Shippensburg, Pa.

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Nice stock from 2-in. pots, \$2.25 per 100; \$20.00 per 1000; not less than 500 at 1000 rates.
Rubbers, fine plants, 5 in. pots, \$3.00 per doz.
Cannas. We have 5,000 from 3-in. pots, ready May 1. at \$5.00 per 100, in 20 best varieties.

W. W. COLES, Kokomo, Ind.

Chrysanthemums.

Last call for rooted cuttings. Wm. Duckham, Monrovia, Alice Byron, Mrs. Coombes, J. K. Shaw, and others at \$1.50 per 100; 2 and 2½-inch plants, \$3.00 per 100; Dr. Enguehard rooted cuttings, \$3.00 per 100. Pot plants, \$5.00 per 100.

Complete list with prices on application. All good, strong, healthy stock, true to name. Cash with order.

GUNNAR TEILMANN, MARION, IND.

10,000 SHASTA DAISIES

That must be moved quick, (land sold).
Catch this: 50c per doz.; \$3.00 per 100; \$25.00 per 1000, prepaid.

Charles Gay,
DES MOINES, IOWA.

ROSES

Fine, Clean Stock, from 2½-in. pots.

Maman Cochet
White Cochet
Yellow Cochet
Hermosa
Marchal Niel
Meteor
Climbing Metacr
Burbank
C. Souper
Etoile de Lyon
Ivory
Golden Gate
Bride
Bridesmaid
Duch. de Brabant
Bon Silene
Agrippina
Pillar of Gold
Solfaterre
Marie Guillot

Marie Van Houtte
Gruss an Teplitz
F. Kruger
Perle des Jardins
Mme. Welche
Safrano
Lamarque
White La France
Striped La France
Climbing Wootton
Souv. de Wootton
Duke of Albany
Helen Gould
Papa Gontier
Chatenay
Folkstone
Media
Antoine Rivoire
Malmaison
Clara Watson

\$2.50 per 100. \$30.00 per 1000.

Packing light and free, and satisfaction guaranteed. Terms cash. Please do not send personal checks.

R. H. MURPHEY & SON
URBANA, OHIO.

Please mention the American Florist when writing.

Double Petunias.

VINCA VARIEGATA.
HARDY PINKS, field-grown, 5 sorts, 3½c.
PARIS DAISY, Giant 2-inch, 2c.
DOUBLE DAISIES, Snowball, Longfellow, \$2.50 per 1000, in bud and bloom.
ABUTILONS, 2 varieties, 2½-inch, 2½c.
SALVIAS, 2-in., Bonfire, Silverspot, \$17.50 per 1000.
GERMAN IRIS, divided roots, \$1.00 per 100.
VINCA VARIEGATA, 2-in. 2c.
COLEUS, 15 kinds, 2-in. 2c.
HOLLYHOCK, double, 3 kinds, small 1 year old, \$1.00 per 100.
FORGET-ME-NOT, Everblooming, 2-in. 1½c.
RUDBECKIA, divided roots, \$1.00 per 100.
COREOPSIS Lanceifolia, field, 2c.
AGERATUM, Gurney, Pauline, **ALTERNANTHERAS**, red and yellow; 2-inch, \$2.00 per 100.
ALYSSUM, Giant double, 2-in. 2c.
Rooted Cuttings, per 100, prepaid: **Heliotrope**, 75c. **Ageratum**, white, Gurney, Pauline, 50c. **Soliva**, Splendens, Bonfire, Silverspot, 90c; \$3.00 per 1000. **Fuchsia**, 5 best varieties, 90c. **Hardy Pinks**, 6 varieties, some everblooming, 75c; \$5.00 per 1000. **Double Petunias**, 10 finest, \$1.00. **Alternanthera**, red and yellow, 50c; \$3.50 per 1000. **Stevia**, serrata, 75c. **Giant Paris Daisy**, \$1.00. **Coleus**, 60c; \$5.00 per 1000. **Mums**, Western King, Weeks, Halliday, \$1.00. **Vinca Variegata**, 90c. **Feverfew**, Gem, \$1.00.

CASH

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

Salvia Splendens and Bonfire.

2½-inch pots. Fine plants. \$2.00 per 100.

HARDY PERENNIAL PHLOX.

Dreer's collection, in 3-inch pots, \$3.00 per 100; 200 for \$5.00.
Golden Glow, fine strong divisions, \$5.00 per 1000; 60c per 100.

C. G. NANZ,
Owensboro, Ky.

Jacs Smits, Ltd. NAARDEN.
(Holland.)
(BRANCH AT BOSKOP.)

Wholesale Growers of Hardy, Fancy, nursery stock, pot-grown forcing plants. Lilies a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.
When in Europe please inspect our nurseries.

NAARDEN-BUSSUM, near Amsterdam, is our R. R. Depot.
Mailing address during April and May:
JACS SMITS, care **MALTUS & WARE**,
136 Water Street, New York City.

Easter Plants

A SPECIALTY

Now ready for immediate shipment blooming Easter Stock for Easter week or before if desired. I am noted and have a reputation for the past 15 years for raising and shipping choice Easter plants throughout the land. I have 9 houses, the frames crowded with plants in better condition than ever before.

AZALEA Mme. Van der Cruyssen, a perfect poet's model, as round as an apple, none such in existence in America, cheaper than anywhere else. Just think, plants with 125 to 200 and more buds and flowers 75 cents, \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each. Other varieties from 75 cents, \$1.00, \$1.25 to \$1.50 each.

LILUM HARRISII and **JAPAN MULTIFLORUM**, (Michel's special bulbs), 6-inch pots, 5 to 8 buds to a plant, 10c per bud, below 5, 12c per bud. No lilies sold by themselves.

CINERARIA, Hybrid, best strain, all shades, 6-inch pots, \$2.00, \$3.00, \$4.00 and \$5.00 per doz. **HYDRANGEA**, Otaksa, 6 to 7-inch pots, pink and few white, \$5.00, \$6.00, \$9.00 and \$12.00 per doz.

SPIRAEA Gladstone are the finest we have ever handled. A Holland specialist furnished us with extra bulbs last fall; 6-inch pots 50 to 75 cents each. Other varieties, such as Floribunda, Japonica, Blondine, 6-inch pots, full of flowers, large plants, \$3 to \$4 per doz. Compacta, \$2 to \$3 per doz.

ROSES, American Beauty, 6-inch pots, bushy, 24 to 30 inches high, 50c to 75c each; 5-inch, 30c to 35c each. Hardy Hybrid Roses, including Hermosa, 5½-inch pots, \$3.00, \$4.00 and \$5.00 per doz.

BEGONIA, Pres. Carnot, Flambeau, 3 good benches in all; 6-inch pots, \$3.00 to \$4.00 per doz; 4-inch, \$1.80 per doz. **ARACARIA EXCELSA**, 7-inch pots, 4, 5 and 6 tiers, 25 to 34 inches high, \$1.50 each. **FICUS ELASTICA**, 6 to 7-inch pots, 25 to 35 inches high, \$6.00, \$9.00 and \$12.00 per doz.

WHITE DAISIES, 6-inch pots, \$3.00 per doz. **HYACINTHS**, mixed, from first-size bulbs, my own importation. Grand Maitre, King of the Blue, Gertrude, pink, Grandiflora, white, \$12.00 per 100.

VON SION, double-nosed daffodil, the best double narcissus grown, 5 to 6-inch pots, full of flowers, \$2 to \$3 per doz.

TOURNESOL double tulips sell at sight; 3 in a 4-inch pot, \$1.50 per doz.

CINERARIA Hybrid, in 100 beautiful colors, 6-inch pots, \$3 to \$4 per doz.

MOONVINE, A. W. Smith's Hybrid, \$5.00 per 100.

READ THESE TESTIMONIALS:

GODFREY ASCHMANN.

Dear Sir:—The shipment of plants ordered of you came duly to hand and I must say that I am thoroughly satisfied with them. It is a great pleasure to get such stock. Yours truly,

LINDSAY FLORAL CO., N. 19th St., Birmingham, Ala.

HELENA, ARK, March 17.

GODFREY ASCHMANN.

Dear Sir:—The Azaleas you shipped me at different times during the past winter, I have found to be most satisfactory plants, always ready sellers, as were also your Aracaria Excelsa. Am glad to know just where to look when in need of fancy stock. Yours truly,

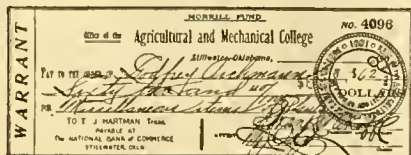
MERRYVALE GREENHOUSES, Helena, Ark.

Oklahoma Agricultural and Mechanical College.

Stillwater, December 10, 1904.

GODFREY ASCHMANN, Philadelphia, Pa.
Dear Sir:—The material ordered from you arrived in good shape. The bill has been O. K'd and sent in and will be paid shortly. Please accept my thanks for material sent gratis.

O. M. MORRIS, Supt. of Horticulture.



To save express charges, mention with or without pots. Cash with order please. All goods travel at purchaser's risk. My place is 20 minutes from city hall by trolley, Germantown cars, at 13th and 8th Sts.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

Bell Phone Toga 8669 A.

1012 Ontario St.,

PHILADELPHIA, PA.

Seasonable Stock AT BARGAIN PRICES.

Your Attention for a Moment.
We Have Something You Need.

ASPARAGUS SPRENGERI—Strong 3-inch pot plants, \$3.00 per 100.

ACALYPHA BICOLOR COMPACTA—From 2½ inch pots, \$4.00 per 100.

BEGONIA MANICATA AUREA—Now in fine color. From 2½-in. pots, \$5 per 100.

CARAX JAPONICA VARIEGATA—Indispensable for filling. From 2½-inch pots, \$3.00 per 100.

CHRYSANTHEMUMS—75,000 of the best varieties now ready to ship, including the best pompon collection in the country.

For a short time only, we make a Special Price on Pompons of \$2.50 per 100; \$20.00 per 1000, Our Selection.

CYPERUS ALTERNIFOLIUS (Umbrella Plant)—Another grand plant for spring work. We have a thrifty stock of it, from 2½-inch pots, \$2.50 per 100.

FEVERFEW (Little Gem)—From 2½-inch pots, \$2.50 per 100.

GERANIUM OROSA AND SNOW QUEEN—Your last chance to secure these grand new bedding varieties. Extra strong from 2½-inch pots, \$15.00 per 100.

GERANIUM MME. SALLEROI—From 2½-inch pots, \$2.50 per 100.

LEMON VERBENA—Excellent plants from 2½-inch pots, \$3.00 per 100.

LOBELIA GRACILIS—Strong, from 2½-inch pots, \$2.50 per 100.

MIRANDIA—Thrifty stock in 2½-inch pots, \$4.00 per 100.

Nephrolepis Bostoniensis, N. cordata compacta and N. Piersoni—Ready for a shift, now in 2½ inch pots, \$3.00 per 100.

SANSEVIERIA ZEYLANICA—Large, from 2½-inch pots, \$5.00 per 100.

SWEET ALYSSUM (Double)—Plant now for summer flowers. From 2½-inch pots, \$2.50 per 100.

VINCA MAJOR VARIEGATA—Bushy, 3-inch pot plants, \$5.00 per 100.

VINCA (Green)—Last year's field clumps, \$6.00 per 100.

Some of the Best Hardy Perennials.

All Dormant, 1-year Old Stock.

ANEMONE JAPONICA ALBA—2½-inch, \$4.00 per 100.

ANEMONE JAPONICA LADY ARDILAUN—2½-inch, \$4.00 per 100.

AQUILEGIA (Columbine) **LONG SPURRED**—2½-inch, \$3.00 per 100.

AQUILEGIA (Columbine) **SHORT SPURRED**—2½-inch, \$3.00 per 100.

CHRYSANTHEMUM MAXIMUM TRIUMPH—2½-inch, \$2.50 per 100.

DELPHINIUM QUEEN OF BLUES—2½-inch, \$3.00 per 100.

DIGITALIS GLOXINIOIDES (Foxglove)—2½-inch, \$3.00 per 100.

HELIANTHUS SPARSIFOLIA—One of the best of its class, 2½-inch, \$8.00 per 100.

ORIENTAL POPPIES—2½-in., \$4 per 100.

RUDBECKIA GOLDEN GLOW—3-inch, \$3.00 per 100.

RUDBECKIA NEWMANI—3-in., \$3 per 100.

RUDBECKIA TRILOBA—3-in. \$3 per 100.

If in need of other stock than herein noted, Write Us, as these are only a small per cent. of what we have. Send for Catalogue.

NATHAN SMITH & SON,
ADRIAN, MICH.

Batavia, N. Y.

Thomas M. McGuire, who has charge of the New York Central's greenhouses on Evans street, is now engaged in preparing for the annual beautifying of the depot yards along the company's road. He will use 62,000 plants this year and every one will be from the Batavia greenhouses, raised under his personal supervision. The Central has two of these propagating plants. The other is at Poughkeepsie, but the Batavia house is the larger, having 100 more feet of glass than the former. Mr. McGuire has had eighteen years' experience and has been with the company ten years. He came here from Albion. The work of decorating the stations along the line requires very fine judgment and an enormous amount of labor.

"The Batavia greenhouses supply all the stations on the western division and the Rome, Watertown & Ogdensburg line east of Charlotte," Mr. McGuire said. "The western division takes in the main line from Buffalo to Syracuse, and the Falls and Auburn branches. Plants are used at thirty-three stations on the western division, at four on the Falls branch, twenty-seven on the Auburn branch and at about twenty-five on the R., W. & O. We also set out plants on the West Shore road at Elba and Newark, at five stations along the Buffalo Belt line, in the yards of the Depew car shops and at East Buffalo.

"Work will commence in earnest about May 25, when I will start in to ship and oversee the planting. I am allowed a special engine, with two baggage cars, and four assistants, besides the regular train crew. Over fifty varieties of plants are raised here, including eight different varieties of geraniums.

"It takes me about three days to finish the western division and I use in that time 30,000 plants. On the R., W. & O. I also work about three days and use 11,000 plants. I spend two days on the Auburn branch, using 13,000; one day on the Niagara Falls branch, the Depew shops, East Buffalo yards and Belt line, using 4,000, and ship 2,000 plants down to Jersey Shore, on the Pennsylvania division. The rest are sent to places where they may be needed. The Batavia houses also send out a large quantity of ornamental shrubs, probably 8,000 each year, which are used in landscape work."

Grand Rapids, Mich.

The Grand River Valley Horticultural Society met March 15 and carried out an extensive programme. The matter of a municipal nursery is being agitated and John Ball park is the proposed site. Prof. Asa W. Slayton read a paper on "Ornamental Vegetables," describing the ornamental arrangement of food plants in crowded European gardens. John B. Martin spoke on "Growing and Use of Legumes." N. B. Stover spoke of the "Growing and Use of Salad Plants," stating that lettuce was used 550 years before Christ and that there were eleven varieties of lettuce in 1629.

The society extended an invitation to the State Horticultural Society to meet in Grand Rapids for the annual meeting in December.

LIKE FINDING MONEY

are the prices we will quote on large lots of the following roses :

STRONG, FIELD-GROWN PLANTS, ON OWN ROOTS

**CRIMSON RAMBLER
DOROTHY PERKINS
LA FRANCE**

Price for Moderate
Quantities

(and not less than 25 of a kind)

\$9.00 per 100

If You Can Use 500 or More of Any One Kind, get our special prices. They will surprise you. We are over-stocked with these kinds and the first comers get the benefit. They are fine stock.

Send for our complete price list. There are other bargains in it. Use printed stationery. We send it only to the trade.

JACKSON & PERKINS CO. NEWARK, N. Y.

CARNATIONS and CHRYSANTHEMUMS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Lady Bountiful.....	\$ 6.00	\$ 50.00	Enchantress.....	\$ 3.00	\$ 25.00
White Lawson.....	6.00	50.00	Mrs. Lawson.....	2.00	15.00
Moonlight.....	4.00	30.00	Marshall Field.....	3.00	25.00
Cruasader.....	5.00	40.00	Prosperity.....	2.00	15.00
Cardinal.....	12.00	100.00	Lieut. Peary.....	12.00	100.00
Harlowarden.....	2.00	15.00			

CHRYSANTHEMUMS.

	Per 100	Per 1000		Per 100	Per 1000
Maj. Bonnaffon, yellow.....	\$2.00	\$15.00	M. Liger, pink.....	2.00	15.00
Robinson, white.....	2.00	15.00	Wm. Duckham, pink.....	3.00	25.00
Glory of Pacific, pink.....	2.00	15.00	Same varieties from 2 1/4-inch pots, \$1.00 per 100 extra.		
Estelle, white.....	3.00	25.00			

Chicago Carnation Co.

JOLIET, ILLINOIS.

ROSES.

A COMPLETE LIST OF ALL THE FORCING VARIETIES BOTH
NEW AND OLD. WRITE FOR PRICES.

JOHN N. MAY,

Summit, New Jersey.

Aug. Rhotert, Importer, 26 Barclay St., New York.

—HEADQUARTERS FOR—
CHOICEST EARLY and LATE FORCING LILY of the VALLEY PIPS.

BRANDS { **MULTIBELL** Early Forcing Berlin Pips.
 { **BEROLINA**
 { **POLARIS** Late Forcing and Cold Storage Hamburg Pips
 { **HANSA**

GROWN BY MR. E. NEUBERT, WANDSBECK, GERMANY.

ASPARAGUS PLUMOSUS

2 1/4-inch pots. A few hundred left at \$2.00 per hundred.

THE NUNNALLY CO.

ATLANTA, GA.

ROOTED CUTTINGS

HELIOTROPE, 12 var., \$1.00 per 100; \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100; \$10.00 per 1000.
SALVIAS, 6 var., \$1.00 per 100; \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUMS, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.

Express prepaid on all R. C. Cash with orders. Write
S. D. BRANT, Clay Center, Kan.

DOROTHY FAUST

CHRYSANTHEMUM.

This is Offered to the Trade as a Sure **MONEY MAKER.**
How Long Have We Waited for a Really First-Class Late Commercial White?

Mr. H. I. Faust has grown this variety in quantity, several houses each year, for several years, and has, with difficulty been induced to part with it.

The E. C. Hill Co. had this variety on trial last year, and the following description was written by a member of the firm who is considered by many to be one of the ablest Chrysanthemum experts in this country:

"**DOROTHY FAUST.**—Pure snow white, very large, incurved but not globular; petals broad and beautifully formed, somewhat loose in arrangement but of splendid texture; the stem and foliage are as fine as those of Eaton; an easy doer, can be planted very close; blooming at Thanksgiving and later makes this a valuable and delightful variety, as it is one of the most beautiful in finish and effect."

Philadelphia, Pa., February 13, 1905.

MR. W. P. CRAIG, 1305 Filbert Street, Philadelphia.

Dear Sir:—We are very glad to say that we think Dorothy Faust Chrysanthemum a very good variety indeed. We shipped it with elegant success, and the flowers arrived at destination in the best of shape. It is a good keeper; has good stiff stem, and good form, being pure white. We feel it is a very valuable addition to the Chrysanthemum market as a commercial variety.

Very truly yours,

SAMUEL S. PENNOCK.

The above letter from "The Wholesale Florist of Philadelphia," who has handled this variety for several years needs no further comment, nor do the following:

Pittsburg, Pa., February 23, 1905.

MR. W. P. CRAIG, 1305 Filbert Street, Philadelphia, Pa.

Dear Sir:—It is with pleasure that we state that the Dorothy Faust Chrysanthemum, in our estimation, is one of the best commercial varieties and will no doubt, prove a profitable one to the grower, coming at a season when it will command a good price.

Very truly yours,

RANDOLPH & McCLEMENTS.

Philadelphia, Pa., February 15, 1905.

MR. WILLIAM P. CRAIG, 1305 Filbert Street.

Dear Sir:—We have handled considerable of the Dorothy Faust Chrysanthemum, and believe it to be the best late white. The color is so pure, and the straight tough pliable stem does not weaken, as is the case with so many late ones. We have kept flowers two weeks which still looked presentable. We are glad that Mr. Faust consented to send it out this season and believe it will become the standard late white.

Yours truly,

JOS. KIFT & SON.

DOROTHY FAUST is a GOOD GROWER, GOOD KEEPER and a GOOD SHIPPER

Every retail florist in Philadelphia will tell you it is the best late white. The price is so low for such a sterling novelty that all Chrysanthemum Growers can invest with profit. 12 plants for \$4.00; 25 plants for \$6.00; 50 plants for \$10.00; 100 plants for \$15.00. Special prices on large quantities. CUTTINGS READY, and all orders will be filled in strict rotation.

W. P. CRAIG,

PLANTS, BULBS, SEEDS,

1305 Filbert Street,

PHILADELPHIA.

Palms and Asparagus Cheap.

	Per 100
Latania Bor., 2-in. pot, seed leaves..	3.00
" " 3-in. pot, 16-18 in., 2-3 chr. lvs.	12.00
" " 5-in. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2½-in. pot, 6-8 in., 2 leaves..	10.00
" " 3-in. pot, 8-10 in., 3-4 leaves..	12.50
" " 4-in. pot, 12-16 in., 4-5 leaves..	16.00
Asparagus Sprengeri, 2-inch.....	\$2.00
Asparagus Plumosus Nanus, 2-inch.....	2.50
" " 3-inch.....	5.00

SHERMAN NURSERY CO.,
CHARLES CITY, IA.

Please mention the American Florist when writing.

JOSEPH HEACOCK,

WYNCOTE, PA.

—GROWER OF—

Kentia Belmoreana
and **Kentia Forsteriana**

CARNATION CUTTINGS

From Pots and Flats.

	Per 100	Per 1000
NELSON FISHER.....	\$6.50	\$55.00
MRS. M. A. PATTEN.....	6.50	55.00
FLAMINGO.....	6.50	55.00
D. WHITNEY.....	5.50	45.00
ENCHANTRESS.....	3.50	30.00
H. FENN.....	3.00	25.00
FAIR MAID.....	3.00	25.00
QUEEN.....	3.00	25.00

BACKER & CO.,
BILLERICA, MASS.

Please mention the American Florist when writing.

ASK FOR OUR WHOLESALE PRICE LIST

ON

Bay Trees

with special discounts. Write now; it might be too late tomorrow.

Julius Roehrs Co., Exotic Nurseries,
RUTHERFORD, N. J.

Scottii Ferns.

Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
2½-inch.....	\$3.00	\$12.50
3-inch.....	3.00	20.00
4-inch.....	5.00	

Pierson Ferns 2½-inch 60c per dozen, \$4.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the American Florist when writing.

BOSTON FERNS.

Extra fine stock, out from bench now ready for 5, 6, 7 and 8-inch pots, at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please.

L. H. FOSTER, 45 King St.,
DORCHESTER, MASS.

Please mention the American Florist when writing.

Montreal, Canada.

Prospects for Easter this year are brighter than probably ever before. The flower buying public are fast increasing, notably in the east end, another reason Easter being late, and with less competition than last year, florists are looking forward encouraged by a large variety of good stock on hand for a record breaking Easter trade. It is pleasing to note that to the list of Easter plants several good things have been added. The Baby Rambler makes a really good plant, also Spiraea Gladstonei with its numerous flower spikes. Lilies will be plentiful nearly all of the longiflorum type. Hydrangeas, Ramblers, spiraea, snowballs and lilaes judging by their present appearance will be all in in good shape. There also is a large lot of bulbous stuff held back, yet which, of course, will be cheap at such a late date. Joseph Bennett has several hundred American Beauty roses in pots which should sell well, his Lawson bench is a mass of flowers, also a bed of sweet peas.

The Montreal Gardeners' and Florists' Club at its meeting last Monday decided to hold as usual the annual chrysanthemum show some time in November. A very interesting essay was given by Mr. Elvin. Subject: "Impressions of Canada by an old Countryman" which provoked a lively discussion. Mr. Robinson stated that it takes about ten years for an old countryman to become all Canadian. W. H. Horobin and G. Trussel winners of last euehre contest were presented with prizes.

Tarrytown, N. Y.

The monthly meeting of the Tarrytown Horticultural Society, March 28, was marked by a very large attendance. Three new members were elected. There was a falling off in exhibits, probably on account of everybody being too busy to trouble with them. The F. R. Pierson Company was awarded a certificate of merit for Baby Rambler roses and L. A. Martin a similar award for an excellent vase of Antirrhinum majus. A very interesting and instructive essay on spraying for San Jose scale was read by L. A. Martin and quite a lively discussion ensued, the consensus of opinion being that unless some concerted action is taken to check this pest few live fruit trees will be left in this section in the course of a few years.

The secretary announced several liberal donations toward the prize fund of the November show, the prize list for which is nearly completed. F. R. Pierson asked for the opinion of the members regarding the most suitable number of carnations to be staged for the cup he offers, his desire being to give the small growers a chance to compete as well as the larger growers. After the members had freely expressed their opinions Mr. Pierson decided to give the cup for seventy-five blooms, twenty-five each of the three Lawsons, pink, white and variegated, instead of giving it for fifty blooms of variegated Lawson as originally intended.

Next month Professor Powell will deliver a lecture on trees and roses. For this lecture the school trustees have kindly granted the society the use of the lecture room in the high school which will allow of making the lecture open to the public. Wm. Scott.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Fiona Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS. 51 Wabash Ave., Chicago.

Please mention the American Florist when writing.

Red Sport

CARNATION.

The great "Bread and Butter" holly berry red. Early and continuous, sure crop for Christmas. Never splits; strong healthy grower, 2½ to 3-inch flower on long wiry stem that well supports the bloom, an easy doer and an all-around money maker. 'Nough said. Price for immediate delivery, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, all postpaid. \$6.00 per 100; \$50.00 per 1000.

QUEEN LOUISE, the standard white, strong healthy well-rooted, \$1.25 per 100, postpaid; \$10.00 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, PURCELLVILLE, VA. CARNATION SPECIALISTS.

Please mention the American Florist when writing

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1000
PINK		
Enchantress.....	\$3.00	\$25.00
Fair Maid.....	2.50	20.00
Alpine Glow.....	2.50	20.00
Lawson.....	2.00	15.00
Nelson.....	2.00	15.00

	Per 100	Per 1000
RED		
Flamingo.....	6.00	
Estelle.....	2.50	20.00

	Per 100	Per 1000
WHITE		
Lady Bountiful.....	5.00	
Vesper.....	5.00	
Bride.....	5.00	
Mackinac.....	5.00	
Moonlight.....	4.00	
Queen.....	2.50	20.00
Queen Louise.....	2.00	15.00
Boston Market.....	2.50	20.00

	Per 100
MISCELLANEOUS	
Judge Hinsdale.....	\$4.00
Mrs. Patten.....	6.00
Prosperity.....	2.50
Harlowarden.....	3.00

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co. 1217 Arch St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

CARNATIONS Rooted Cuttings WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	60.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	60.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	16.00
Morning Glory.....	2.00	16.00
Mrs. G. M. Bradt.....	3.00	25.00
Melba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.50	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

60,000 GRAFTED ROSES For Forcing FINEST GROWN.

Orders booked for delivery in April, May and June.

LIBERTY, rose pots. \$12.00 per 100; 3¼-inch pots, per 100.....	\$10.00
BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per 100	10.00
3¼-inch pots per 100.....	15.00

500,000 VERBENAS 60 Varieties.

The Largest and Finest Stock in the Country.

PERFECTLY HEALTHY—NO RUST.

Prize Rooted Cuttings.....	60c per 100; \$5.00 per 1000
Plants, 2¼-inch pots.....	\$2.50 per 100; \$20.00 per 1000

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

— 20,000 — Blooming Plants for Easter

20,000 Pots of LILIUM LONGIFLORUM, at 12c per bloom.

4,000 CRIMSON RAMBLERS, trained in unique and artistic designs, \$1 to \$25 each.

10,000 AZALEAS, 75c to \$25.00 each.

3,000 HYDRANGEAS, 75c to \$5.00 each.

3,000 SPIRAEAS, \$4, \$5 and \$6 per dozen.

3,000 ROSE PLANTS, \$6, \$9 and \$12 per doz.

RHOODENDRONS, \$1 to \$25 each.

GENISTAS, \$6, \$9 and \$12 per dozen.

METROSIDEROS (Bottle Brush), \$1, \$1.50, \$2 each.

A large assortment of HYACINTHS in pans at \$9 and \$12 per doz.

WISTARIAS, and other blooming Easter plants.

— Cash or reference. —

H. C. STEINHOFF,
West Hoboken, N. J.

Please mention the American Florist when writing.



Dahlias

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingaborg Egeland the leading scarlet cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist.

Box 382, DENVER, COL.

Please mention the American Florist when writing.

MacArthur Roses.

EXTRA FINE STOCK.

\$10.00 per 100; \$90.00 per 1000.

Chatenay Roses

EXTRA STRONG.

\$3.00 per 100; \$25.00 per 1000.

PANDANUS VEITCHII, \$15, \$18, \$24 per doz.

THE GASSER COMPANY,

Euclid Avenue, CLEVELAND, OHIO.

Palmer's

IS THE
RED YOU
OUGHT
TO
GROW.

RED LAWSON

Delivery at once. \$10.00.....per 100
40.00.....per 500
75.00.....per 10.0

W. J. Palmer & Son,
LANCASTER, N. Y.

CARNATIONS

Fine, strong, healthy, well rooted cuttings. Per 100
Prosperity, Joost, Lawson, Wolcott.....\$2.00
Moonlight.....3.00
BOSTON FERNS 4, 5 and 6-in. pots. Elegant, strong, healthy, well rooted plants from bunch, 15c, 20c and 30c respectively. S. A. Nutt Geraniums, healthy, 2½-in., \$3.50 per 100. Plumosus and Sprenger, 3-in. only, \$4.00 per 100. Above prices cash with order.

JOHN BROS., Niles Center, Ill.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine a lot of single and made-up plants as ever grown, 4-in., 5-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each.

DRACAENA INDIVISA, 3, 4, 5-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vland, B. A. Nutt, Castellane, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorite, Mme. Sallerol, 2-in. pots, \$2.50 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY, 2-in., \$2.50 per 100.

SCARLET SAGE, LOBELIA, VERBENA, VINCA VAR., HELIOTROPE, Double and Single PETUNIA, 2-in. pots, \$2.00 per 100.

CASH WITH ORDER.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

Cyclamen

SPLENDENS GIGANTEUM HYBRIDS.

Our well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$1.00 per 100; \$35.00 per 1000.

Satisfaction Guaranteed.

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

Please mention the American Florist when writing.

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$25.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

Choice Rooted Cuttings

Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

The W. T. Buckley Co., SPRINGFIELD, ILL.

ROOTED CUTTINGS OF EARLY

CHRYSANthemums.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

CAPE COD

PINK POND LILIES

The best hardy pink. Large, strong flowering roots, \$3.00 per doz.

W. I. BODFISH, West Barnstable, Mass.

PANSIES.

Extra fine stock, in bud and bloom. \$1.25 per 100, \$12.00 per 1000.

The Park Floral Co.

GRAND RAPIDS, MICH.

Carnations, Roses and 'Mums.

We Need Room. SPECIAL OFFER.

R. C. per 1000 2½-in. per 1000
Enchantress.....\$22.00
Wolcott, Prosperity.....12.50 \$25.00
Crusader.....25.00 35.00
White Lawson.....40.00 50.00
Harlowarden.....15.00 25.00
White Cloud.....12.50
Mary Wood.....\$2.50 per 100; 12.50
Mrs. Manley... 3.00 " 20.00
Lawson.....12.50 25.00

ROSES. 30,000 Chateaux, 2 and 3 eye cuttings, fine, Rooted cuttings, \$20.00; 2½-in., \$35.00 per 1000.
20,000 2-in. Beauties, \$5.00 per 100; \$45.00 per 1000.
10,000 2½-in. Gates, \$3.00 per 100; \$25.00 per 1000;
R. C., \$12.50 per 1000.

'MUMS. Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

COLEUS

ROOTED CUTTINGS

Verachaffeltii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fanoles, 60c per 100; \$5.00 per 1000.

Golden Bedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

ACERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Revenal, rooted cuttings, 75c per 100; \$6.00 per 1000.

FRANK A. PIERSON, CROMWELL, CONN.

PANSIES.

100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind that Sell. Per 100, \$2.00; per 1000, \$20.00.

Seedlings, \$3.00 per 1000.

ALBERT A. SAWYER, Pansy Specialist

Successor to Thos. J. Corbrey,

23-33 S. Harlem Ave., OAK PARK, ILL.
Telephone, Harlem 2342.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.
JOHN HARTJE.....

ROOTED CARNATION CUTTINGS

Per 100 1000
WHITE LAWSON.....\$6.00 \$50.00
FLAMINGO.....6.00 50.00
ENCHANTRESS.....3.00 25.00
THE QUEEN.....2.50 20.00
CARDINAL, from 2-inch pots.....12.00

Larchmont Nurseries,
Larchmont, N. Y.

Pansies The Jennings Strain.

Fine cold-frame plants in bud and bloom. Finest mixed colors. Ready April 1st. Price, \$1.50 per 100. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

GROWER OF THE FINEST PANSIES.

It is good business policy
.....to mention the

American Florist

When you write to an advertiser.

Pittsburg, Pa.

WEATHER RETARDS BUSINESS.

Snow, hail, rain and wind, with a low degree of temperature, has invaded Pittsburg and surrounding territory for the past week and has somewhat stimulated our hopes that natural conditions may lend assistance in staying the development of blooming stock for Easter. Business moves at a very slow pace and stock of all kinds and grades is plentiful. Much of the bulbous stock and especially single daffodils shipped up from various states will not move out at any inducement.

NOTES.

On Sunday, the 9th, the Phipps conservatory in Schenley park and the large private conservatories of H. C. Frick and Alexander Peacock, exhibited their annual flower display to the public and will be opened daily for about a month. Ten to twenty thousand people visit these displays each Sunday and no expense is spared to secure the highest expression of art and effects, and the public responds with unbounded appreciation, for these institutions control a good part of our civic pride.

The A. T. Lorch Company of De Haven have incorporated with a capital stock of \$50,000 and have begun the construction of two new houses 50 x 400 feet. They expect to double their present holdings by next year, and will devote most of their spare room to roses and carnations.

The Pittsburg Florists' Exchange are now installed in their new quarters, which comprises the whole building at 228 Diamond street. This is a considerable increase of space over their former quarters, which became necessary in order to meet their large and growing business.

Mr. Zieger, manager for Charles T. Siebert, is elated with the showing of the store since the opening three weeks ago.

The Diamond National bank enlivened the flower business considerably April 5, the day of its opening. The bank officers were recipients of loads of flowers and the bank gave thousands of roses and carnations as souvenirs to visitors.

A great hail storm took place April 10, and it was reported that the Phipps conservatory was badly wrecked, as was also A. W. Smith's plant on Mount Washington, also J. B. Murdoch & Company's Wilkins avenue plant. Mrs. E. A. Williams' plant at Knoxville is damaged but the extent of damage is indefinite.

Phil. Langan's friends will be sorry to hear of the serious condition of his father, whom the doctors state cannot recover.

H. W. Breitenstein is in New York and Philadelphia on business.

Visitor, Mr. Wm. Craig, Jr., Philadelphia, Pa.

Sam. McClements is in the east.

E. L. McGRATH.

Grandville, Mich.

George Conklin has rented his place and is now with Van Aeken Brothers, of Coldwater.

Nicholas Freyling, of Freyling & Mendles, is ill.

Trade has been good, especially shipping trade. Carnations are quite scarce.

N. S.

10,000

NOW READY

FRED BURKI

10,000

NOW READY

Send in your order and get one of the best commercial whites; worthy of growing. \$12 per 10; \$100 per 1000.

JOHN MURCHIE, S. S. SKIDELSKY,
SHARON, PA. 824 N. 24th St., Philadelphia.

4,500 Easter Lilies

One and One-Half to Three Feet High.

Fine foliage. From three to twelve flowers per plant. 10c per bud or flower.

4,000 Hyacinths, Tulips, Daffodils.

CASH WITH ORDER.

C. DEHN, 178 Beekman St.,
SARATOGA SPRINGS, N. Y.

Rose Plants

2½-INCH POTS.

Per 100 Per 1000

BRIDESMAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00
CHATENAY.....	3.00	25.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Easter Lilies

HYDRANGEAS and CRIMSON
RAMBLERS.

Large quantities for Easter Trade.
ORDER NOW.

Scottwood Greenhouses,
TOLEDO, O.

Don't Forget to See

Geo. A. Kuhl's Ads

in regard to

Easter Stock and Roses

in last issue.

Cottage Gardens Co. Inc.

QUEENS, LONG ISLAND, N. Y.

SPECIALISTS:

PEONIES, CARNATIONS AND SPECIMEN
NURSERY STOCK.



Verbena King

VERBENAS—Rooted cuttings, 60c per 100; \$5.00 per 1000.

SALVIA—Bonfire and St. Louis, the two best of them all. \$1.00 per 100; \$8.00 per 1000.

ALTERNANTHERAS—70,000 red and yellow, Sept. struck, equal to 2-in; these are fine; 60c per 100; \$5.00 per 1000.

HELIOTROPES—The best

named varieties, \$1.00 per 100; \$8.00 per 1000.

COLEUS—Thirty named leading varieties, 70c per 100; \$6.00 per 1000.

PETUNIAS—King's Double White, the great bloomer, fine for cut flower work, \$1.25 per 100; \$10.00 per 1000

CUPHEA—(Clgar Plant), \$1.25 per 100; \$10.00 per 1000.

SWEET ALYSSUM—Our big double giant, \$1.00 per 100; \$8.00 per 1000.

LANTANAS—5 best varieties, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings, and guarantee satisfaction and safe arrival. Write for prices on large lots; also send for list of rooted cuttings.

C. HUMFELD, Clay Center, Kan.
The Rooted Cutting Specialist.

Please mention the American Florist when writing.

Transplanted Violet Layers,

Princess of Wales, \$1.50 per 100; \$10.00 per 1000.
Clematis, large flowered, red, white and purple, good two-year, home-grown, 25c; \$2.00 per doz.; \$15.00 per 100.

Panicle, strong, \$1.00 per doz.; \$8.00 per 100; 2½-in. dots, 75c per doz.; \$4.00 per 100.

F. A. BALLER, Bloomington, Ill.

VIOLETS.

Russian, Strong, Healthy, Field-Grown Plants.

They bloom for us in open field, from November until April. \$1.00 per 100, or \$9.00 per 1000, f. o. b. Cash or c. o. d.

COOK & COOK, Alvin, Tex.

Grand Rapids Violet Stock

Clumps from the bench of M. Louise, Imperial and Princess of Wales, \$5.00 per 100; \$10.00 per 1000; Rooted Cuttings, \$10.00 per 1000; Pots, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings of Campbell, \$5.00 per 1000.

CRABB & HUNTER, GRAND RAPIDS, MICH.

5,000 HEALTHY

Marie Louise Violet Clumps

For sale after April 23, 1905.

MAPLEWOOD VIOLET HOUSE
LANSING, MICH.

Cyclamen Plants, once transplanted, \$2.00 per 100; \$18.00 per 1000. Twice transplanted, \$3.00 per 100; \$25.00 per 1000. Seed of only selected flowers and well tilled stock; none better.

C. WINTERICH, Deliance, O.

Reed & Keller,

General Office and Salesroom:
122 West 25th Street.

NEW YORK.

Factory:
146-148 West 25th Street.

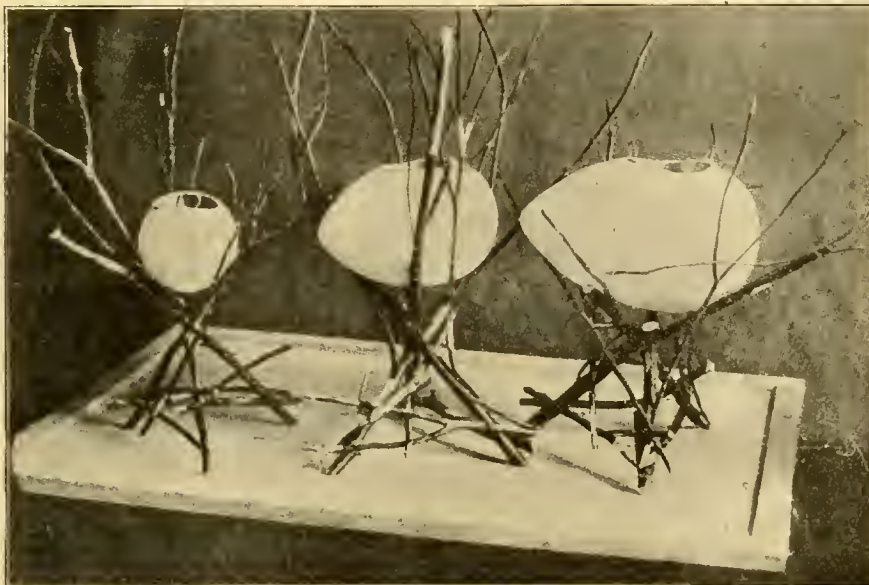
EASTER EGGS IN VARIOUS NOVEL EFFECTS.

Eggs on Nest.

Hanging Eggs.

Eggs on
Wheelbarrows.

Chariot Eggs
Harnessed to
Ducklings.



Crepe Papers.

Waterproof
Crepe.

Two Toned
Crepe.

Pleated Crepe.

Above Cut Shows One of our Unique Designs Mounted on Birch Twigs:
8-in., 75c; 10-in., \$1.00; 12-in., \$1.25; 18-in., \$2.50 each.

We also carry a very pretty Easter Offering of Natural Miniature Chicks and Ducklings:
Ducklings, \$2.50 doz.; Chicks, \$2.50 doz.

Please mention the American Florist when writing.



HAMMOND'S SLUG SHOT FOR POTATO BUGS AND CURRANTS.

TO THE EDITOR OF AMERICAN GARDENING:

In your issue of June 18, on page 399, I notice a good article on the Colorado Beetle or Potato Bug. For the benefit of your numerous readers I would advise them to try **Hammond's Slug Shot**. I have used it here this season, with excellent results, on Potatoes, Egg Plants, Cucumbers and Squash,—for Potato Bugs, and also for Striped Beetles, and it is the best remedy I know of, simple and effective. I purchased two of the **Dusters** which he advertised in your paper, and they are very useful articles. The best time to dust the plants is early morning, as the substance adheres much better when the dew is on. A light dusting

is sufficient, and woe betide the bugs or the larvæ. Once they get a taste of it they shrivel up right away.

Sold by Seed Dealers and Merchants all over America.

GEORGE STANDEN, Gardener to Col. D. S. Lamont, Millbrook, N. Y., 1904.

Send for Pamphlet on Bugs and Blights to BENJ. HAMMOND Fishkill-on-Hudson, N. Y.

Please mention the American Florist when writing.

BLACK
STUFF
FINE

TOBACCO POWDER
(For Sprinkling)

STRONGER and FINER

than others. Our free five-pound trial bag costs nothing more than the express charge on it. Our booklet tells what your brother growers think of it. We mail one on request.

THE H. A. STOOHOFF CO.
TOBACCO POWDER HOBBYISTS
116 WEST ST., N. Y. CITY.

Please mention the American Florist when writing.

M. RICE & CO.,

Importers and Manufacturers,

Leading Florists'
Supply House and
Ribbon Specialists.

918 Filbert Street,
Philadelphia, Pa.

Please mention the American Florist when writing

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET,
NEW YORK.

ROSSIG BROTHERS,

—MANUFACTURERS OF—

Artificial Leaves.

ALL STYLES IN HUNDREDS OF DIFFERENT DESIGNS. PAPER AND MUSLIN. SMILAX,
YARDS and PIQUETS. Samples Furnished to the Jobbing Trade Only.

497 West Broadway, NEW YORK.



Japan Bamboo Stakes

IN LARGE QUANTITIES. 5 TO 6 FEET.

—WRITE FOR PRICES.—

SUZUKI & IIDA, 31 Barclay St., New York.

CUT FLOWER BOXES

WATERPROOF
Corner Lock
Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 10/0

Size No.	Box	4x20	5x20	6x20	7x20	8x20	9x20	10x20	11x20	12x20	13x20	14x20	15x20	16x20	17x20	18x20	19x20	20x20
0.	3x	4x20	5x20	6x20	7x20	8x20	9x20	10x20	11x20	12x20	13x20	14x20	15x20	16x20	17x20	18x20	19x20	20x20
1.	3x	4x16	5x16	6x16	7x16	8x16	9x16	10x16	11x16	12x16	13x16	14x16	15x16	16x16	17x16	18x16	19x16	20x16
2.	3x	6x18	7x18	8x18	9x18	10x18	11x18	12x18	13x18	14x18	15x18	16x18	17x18	18x18	19x18	20x18	21x18	22x18
3.	4x	8x18	9x18	10x18	11x18	12x18	13x18	14x18	15x18	16x18	17x18	18x18	19x18	20x18	21x18	22x18	23x18	24x18
4.	3x	5x24	6x24	7x24	8x24	9x24	10x24	11x24	12x24	13x24	14x24	15x24	16x24	17x24	18x24	19x24	20x24	21x24
5.	4x	8x22	9x22	10x22	11x22	12x22	13x22	14x22	15x22	16x22	17x22	18x22	19x22	20x22	21x22	22x22	23x22	24x22
6.	4x	8x28	9x28	10x28	11x28	12x28	13x28	14x28	15x28	16x28	17x28	18x28	19x28	20x28	21x28	22x28	23x28	24x28
7.	6x	16x20	17x20	18x20	19x20	20x20	21x20	22x20	23x20	24x20	25x20	26x20	27x20	28x20	29x20	30x20	31x20	32x20
8.	3x	7x21	8x21	9x21	10x21	11x21	12x21	13x21	14x21	15x21	16x21	17x21	18x21	19x21	20x21	21x21	22x21	23x21
9.	5x	10x35	11x35	12x35	13x35	14x35	15x35	16x35	17x35	18x35	19x35	20x35	21x35	22x35	23x35	24x35	25x35	26x35
10.	7x	20x20	21x20	22x20	23x20	24x20	25x20	26x20	27x20	28x20	29x20	30x20	31x20	32x20	33x20	34x20	35x20	36x20
11.	3x	5x30	6x30	7x30	8x30	9x30	10x30	11x30	12x30	13x30	14x30	15x30	16x30	17x30	18x30	19x30	20x30	21x30

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,

Box 104.

COLUMBUS, OHIO.

—WRITE—

A. F. Kohr

1621-23 N. Leavitt St., CHICAGO, ILL.,

FOR PRICES OF

Standard Pots which for strength and porosity combined are the best on the market. Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'FY.,

HARRY BALSLEY,
Rep.

DETROIT, MICH.,
460 Howard St.,

Please mention the American Florist when writing.

Standard Flower... POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.....

W. H. ERNEST,

28th and M Streets.

WASHINGTON, D. C.

Please mention the American Florist when writing.

**BEST
AND
Cheapest**
ALL-ROUND
INSECTICIDE
on the Market.

ROSE LEAF
EXTRACT
OF
TOBACCO
INSECTICIDE

For Sale by
Seedsmen.
For Free
Pamphlet
Write to
The Kentucky
Tobacco
Product Co.,
Louisville, Ky.

The Florists' Hail Ass'n.

Now insures upwards of 21,000,000 square feet of Glass. For particulars address

John G. Esler, Sec'y.

SADDLE RIVER, N. J.

Please mention the American Florist when writing.

Standard Flower Pots

The WHILLDIN POTTERY COMPANY,
PHILADELPHIA PA. JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

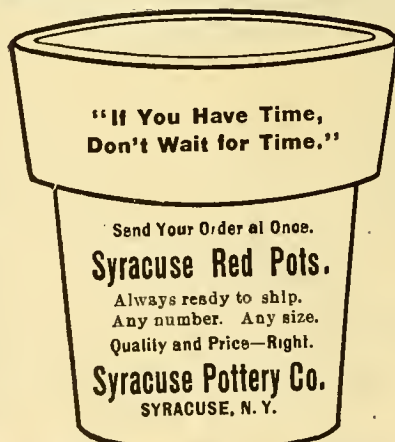
THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List.

213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.



RED POTS

SAMPLE POT AND PRICE LIST
ON APPLICATION.

C. C. POLLWORTH CO., MILWAUKEE, WIS.,.....

Kramer's Pot Hanger



The neatest, simplest, most practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.

FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND SUPPLY DEALERS.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. Kramer & Son, Cedar Rapids, Iowa.

Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2-in., in crate, \$4.88	120 7-in., in crate, \$4.20
1500 2 1/2 " " 5.25	60 8 " " 3.00
1500 3 " " 6.00	48 9-in., in crate, \$3.60
1000 3 " " 5.00	48 10 " " 4.80
800 3 1/2 " " 5.80	24 11 " " 3.60
500 4 " " 4.50	24 12 " " 4.80
320 5 " " 4.51	12 14 " " 4.80
144 6 " " 3.16	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y.
Or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

Please mention the American Florist when writing.



GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

The New Jersey Moss & Peat Co

BARNEGAT, N. J. ESTABLISHED 1890.

IRVING PREDMORE, Prop.

Wholesale and Retail Dealers in Moss and Peat.
10,000 Bales on Hand for 1905.

We take pleasure in handing you this circular and trust you will take time to read it and be benefited by it. We have been in this business for the past 15 years, so in dealing with us you are sure of getting the benefit of our 15 years experience in this line. We quote Moss at the following prices: Natural Growth Moss, bales of 5 barrels, \$2.25; bales of 10 barrels, \$4.25; this grade is for Fine Design Work. Selected Stock Moss, bales of 5 barrels, \$2.60; bales of 10 barrels, \$5.00; this grade is for very fine design work and special occasions. For Nursery Stock Moss please write us for prices. Cash with order we allow six per cent. off.

Leaf Mould, Fibrous and Rotted Peat we name the following price per one barrel sack; lots of one to five sacks, \$1.00, 5 sacks at 90c, 10 sacks at 80c, 15 sacks at 75c, 20 sacks at 70c, and 25 sacks at 65c.

Green Clump Moss, per sack, 1 to 5, \$1.50; 5 sacks, \$1.25. 10 sacks, \$1.12, and 20 sacks, \$1.00.
Silver Sand, per barrel, 1 to 5, \$1.75; 5 bbls \$1.50; 10 bbls \$1.25; 20 bbls \$1.12; 25 bbls \$1.00.

Notice—Enclose this coupon with cash and you may have your choice of these Special Offers.

NATURAL GROWTH SELECTED.

1-10 barrel bales for.....	\$ 3.90	\$ 4.50
2-10 " " " " " " " " " "	7.75	8.75
3-10 " " " " " " " " " "	11.50	13.50
6-10 " " " " " " " " " "	22.50	25.50
10-10 " " " " " " " " " "	37.00	40.00

This offer will expire on Sept. 1, 1905.

HONORABLE MENTION.

Society of American Florists:

This is to certify that Irving Predmore is entitled to honorable mention for having clean and well packed Sphagnum Moss and Peat.

Exhibited at Cleveland, Ohio, Aug. 18-21, 1896.

Wm. Scott, Pres. Wm. J. Stewart, Sec'y.

Extra Quality Moss the whole year.

Trusting you will favor us with an order, we are,
Yours respectfully,

NEW JERSEY MOSS & PEAT CO.

References given in any part of U. S. or Canada.

Please mention the American Florist when writing.

PUMPS Rider-Ericsson. Second-hand, from \$40.00 up; all repairs; other makes; new; cheap.

BOILERS New and second-hand. Two second-hand steam; first-class condition; will heat 1,000 sq. ft. glass; at \$35.00 each.

PIPE New 2-in. standard full lengths, with couplings, 8 3/4 c per ft. Good, serviceable second-hand, with threads, 2 in., 7c; 1 1/2 in., 5 1/2 c; 1 1/4 in., 3 3/4 c; 1 in., 3c; 3/4 in., 2 1/4 c. Old and new fittings and valves.

STOCKS AND DIES New Economy, best made, No. 1 threads, 3/4 in., 2 1/2 in., 1-in. pipe, \$3.00. No. 2 threads, 1 1/4 in., 1 1/2 in., 2-in. pipe \$4.00.

PIPE CUTTERS New Saunders Pattern. No. 1 cuts 1/2 in.-1-in. pipe, \$1.00. No. 2 cuts 1-in.-2-in. pipe, \$1.30.

STILLSON WRENCHES New, 18-in., grips 1/4 in.-2-in. pipe, \$1.65; 24-in., grips 1/2 in.-2 1/4 in. pipe, \$2.40; 36 in., grips 3/4 in.-3 1/2 in. pipe, \$1.75.

PIPE VISES New. No. 1 hinged, grips 1/2 in.-2-in. pipe, \$2.25.

GARDEN HOSE New. 3/4 in., guaranteed 100-lbs. pressure, 7 1/2 c per ft.; 1-in., not guaranteed, 4 3/4 c per ft.

HOTBED SASH New. Cypress, 3-ft. x 6-ft., from 70c up; glazed, complete, from \$1.60 up. Second-hand, as good as new, complete, at \$1.25 each.

GLASS New. American, 50 sq. ft. to the box. 10x12, 12x12 B single, at \$1.75. 10x12, 12x12, B double, at \$2.40. 12x14, 12x16, 12x20, 14x14, 14x16, 14x20, 16x16, 16x18 B double, at \$2.65. 16x20, 16x24 B double, at \$2.95.

Write for our prices on **Gulf Cypress Building Material, Ventilating Apparatus, Oil, White Lead, Putty, Paint, etc.**

METROPOLITAN MATERIAL CO.

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

Please mention the American Florist when writing



PURE SHEEP MANURE

Dried, Unpulverized and Pulverized.

—WRITE FOR PRICES.—

MONTANA FERTILIZER CO., Elgin, Ill.

BE PROGRESSIVE

AND GET YOUR

Florists' Supplies

From the Largest and Leading House.

OUR STOCK IS NEW AND STRICTLY UP-TO-DATE.

We do not handle antiquities, and our stock moves too quickly to get out of tune with present day requirements. We have

EASTER NOVELTIES

in profusion, and shall be glad to have your inquiries.

Crepe Papers, Baskets, Pot Covers and Other Lines
in the Latest Patterns and Styles.

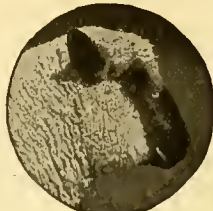
Catalogue mailed when desired.

ORDER NOW.

H. BAYERSDORFER & CO. PHILADELPHIA, PA.

56 N. 4th St.

VAUGHAN'S "RAMS HEAD"



Brand
Sheep Manure

Pure, Dry and
Unadulterated.

Sheep manure is one of the best natural fertilizers a florist can use, being readily applied in either dry or liquid form. Contains all the elements necessary for plant life. Our stock is saved under shelter and not leached.

Price, f. o. b. Chicago, per 100 lbs., \$1.00; per 1,000 lbs., \$7.50; per 2,000 lbs., \$14.00. Write for prices on car lots.

VAUGHAN'S SEED STORE

84-88 Randolph St.,
CHICAGO.

14 Barclay St.,
NEW YORK.

ANDREWS VASES



Latest improved. Moistens the earth around the outer part first. Aerates the soil and promotes a strong and vigorous growth of plants. Patented in the United States and Canada. Send for circulars to

J. K. ANDREWS, Patentee

414 Du Page St.,
ELGIN, ILL.

Always mention the American Florist when you order stock.

Iron Reservoir Vases



AND
Lawn Settees,
Manufactured by
McDONALD
BROS.,

COLUMBUS, O.
The largest manufacturers of these goods in America. Send for catalogue.

A. HERMANN,

Cape Flowers, all colors,
Cycas Leaves, Metal Designs,
and All Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th Street, NEW YORK.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florist Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Your Plants

Made to look strong and healthy
by using "Nicotifide."

Tobacco Warehousing and Trading Co.,
THE MAXWELL MFG. CO., Successors,
LOUISVILLE, KY.

MUSHROOM SPAWN.



Frequent importations
from England. Always
fresh and lively.

J. J. STYER, Concordville, Pa.

AFTER THE RUSH OF EASTER COMES
THE RUSH OF SPRING CONSTRUCTION.

BE SURE TO GET OUR FIGURES ON ALL KINDS OF

GREENHOUSE MATERIAL

We Guarantee the Best Quality and Work

CYPRESS SASH BARS.

In all lengths and cut to exact sizes as ordered.

TENN. RED CEDAR POSTS.

HEART CYPRESS POSTS.

PECKY CYPRESS for Benches.

Economical and lasting. Coming into general use.

HOT BED SASH and FRAMES.

Various styles and sizes. Ready for prompt shipment.

FOLEY VENTILATING APPARATUS.

"It works like a charm." Try it.

PIPE, FITTINGS, GUTTERS, GLASS

And all supplies needed in new work and reconstruction.

Estimates and Suggestions on Proposed Structures Sent Promptly.

SEND FOR FREE ILLUSTRATED CATALOGUE.

FOLEY MFG. CO. 471 W. 22nd St., **CHICAGO**

GLASS

ORDER NOW IF
YOU ARE WISE.

Factories stop making glass May 30th for this season. We have some attractive prices.

Write us before buying no matter how large or how small your order is.

WRITE US AT ONCE AND SAVE MONEY.

SHARP, PARTRIDGE & CO., 22nd & UNION PLACE, **CHICAGO.**

FLORISTS' SPECIALS.....

"Kinkaid" Hocking

Kanawha Splint

Lower Vein Brazil Block

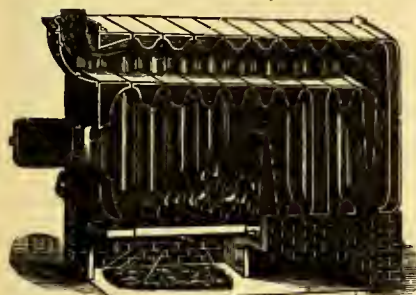
Genuine Smokeless Pocahontas

Sullivan County Indiana Lump

COAL

We are direct agents. Write for prices for immediate shipment or season's supply.

GLOBE COAL COMPANY, 1560-1570 Old Colony Building,
...CHICAGO.



THIS IZ MI KOLE SAVIN BILER.

MISTER EDITUR

i want tew tel u i went to the fare tu Saint Lewis las summer an i wisht i hadnt. i got inter more trubble than i'll ever get outn, in this life or the next one, fur i'm a thinkin ive lost mi religin, as well as mi wife an all the kids and a pile uv munney. u c it war this wa. me an mi muther-in-law an awl my fambly formed in percession an started down the Pike all in a string.

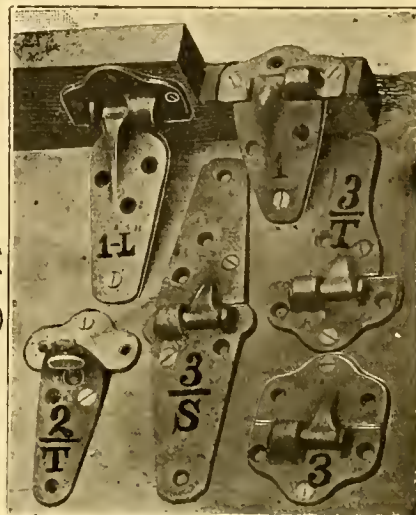
ude orter a seen us. the folkes thote we waz one uv the shows let out for recess. we didn't go far atore we got mixed up in the push an i got lost frum mi gang. so i went in tew a place tew get sumthin, an it tasted so gud i tuck a nuther, which was better, so i tuck severel others an i thot the Pike waz a real nice place.

The next place i kum tew, waz a kind uv a whirl-a-ma-gig, an as every thing else was goin round i thot i would'nt git left so i tumbled in tew a box long side uv a nice lookin gal an a wa we started like a runawa hoss. the gal got skeered an throwed her arms around mi neck an began tew squeel. well i put mi arms around her tew hold her in, an then i kissed her afew tew quiet her down an let her no ide pertect her. an i wuz so buizy i didnt see no body but the gal, but "Semantha Jane" thats mi wife that wor, seed me. an now there is a case in court fur divorce an a 1/2 millon dollars allimmunny an itl take all i got.

i dont no what becum uv the kids i hant seen nuu uv um sinst i got hum, but muther-in-law kum back an makes it lively fur me twitin about that gal in the dizzel dazzel machine.

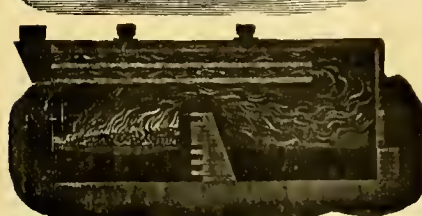
now i wish you'd tell mi frenz about mi trubble. ma be sum uv em hav been in the same fix but didnt git cetchted like i did, an they'le no how to simpathise with me. i need their patronage real bad fur it'l take a pile uv munney to pa that alle-munny. Send tew me fur a cat-a-loge what tels awl about my Kole Savin Bilers, New Departur Ventilatin Contrapshins and Everlastin Hinges fur Sash. My name iz

J. D. CARMODY, an i live in **Evansville, Ind.**, which is klose tew Posey Kounty.

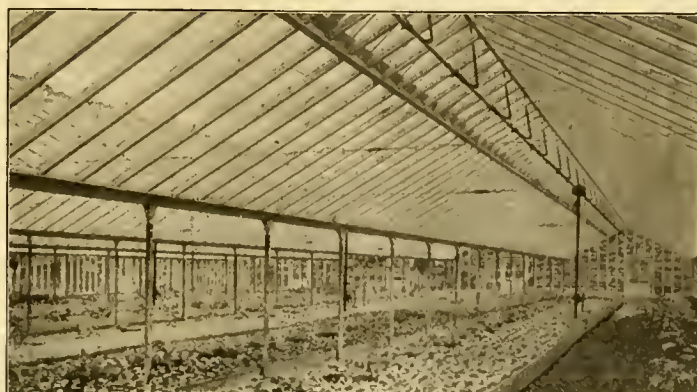


THIS IZ MI EVERLASTIN HINGE.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler,
45 Erie St., CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.



Greenhouse Material and Hotbed Sash

OF LOUISIANA CYPRESS AND WASHINGTON RED CEDAR.

OUR FACILITIES INCREASED.

OUR PRICES ARE RIGHT.

OUR GRADES INVARIABLY THE BEST.

Write for Catalogue and Estimate when figuring on your new houses

A. DIETSCH COMPANY, 615 to 621 Sheffield Avenue
CHICAGO, ILL.

Toronto.

CUT FLOWERS IN HEAVY SUPPLY.

Very little change is noticed in business, which is keeping up remarkably for Lent, and is considerably ahead of last year. The weather of the past two weeks has been very bright and the cut, of roses especially, is exceedingly heavy. The department stores have the prices as low as 24 cents per dozen. Most notable of the roses are General MacArthur and Mme. Chatenay, which are producing some very select blooms. The continued demand for young stock foretells a heavy planting of these varieties. American Beauty is coming in with strong stems and very select blooms, and the teas are all fine, but it is doubtful if the quality can be held until Easter. Carnations continue plentiful and large quantities are sold at ridiculously low prices.

The better weather permits of the wearing of violets on the streets and large quantities are being sold, although the quality is getting poorer. Lilies of all kinds are plentiful and cheap and the market has never had so large a supply of lily of the valley as at present. Flowering plants of all kinds decorate the stores, but many of them go to the rubbish pile.

GREENHOUSE LUMBER

Our Louisiana Cypress

Is thoroughly air-dried and free from sap. This is the very best material now offered to the trade for greenhouse construction.

We have the largest stock of this high-grade cypress in the North, and can promise quick service in filling all orders entrusted to us.

Estimates and designs furnished on application. We will be pleased to figure with you on your contemplated work.

Our new detail sheet mailed on request.

RED CEDAR POSTS. IRON FITTINGS. HOT-BED SASH.

LOCKLAND LUMBER CO.

LOCKLAND, O.

Please mention the American Florist when writing.



GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF
YOUR GLASS.

DES PLAINES, ILL.
SEND FOR CATALOGUE.

A merizan of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

Please mention the American Florist when writing.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER.

SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A.T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Please mention the American Florist when writing.



WM. S. HARMAN,
Chicago, Indianapolis.

Producer, Jobber and Prompt Shipper of Bituminous Coal. Attractive prices on Alum Creek, Pocahontas Smokeless, W. Va. Splint, Brazil Block, Indiana Hocking Lump and other grades.

Please mention the American Florist when writing.

LET US KNOW

What you need in the line of lumber, pipe, plumbing supplies, sash and doors or anything in the building line. We have thousands of feet of glass suitable for greenhouses and hot beds.

Send us your bill for our estimate on anything you need in the above line.

THE GARDEN CITY WRECKING & LUMBER CO.

47th & Loomis Sts., CHICAGO.

Please mention the American Florist when writing.

Le Moniteur d'Horticulture

For Horticulturists and Orchid Growers.

EDITED AT PARIS BY

Lucien Chaure and Otto Ballif.

The representative Gardening Paper of French Florists, Seedsmen and Nurserymen. Sample copies free. The largest circulation in France, Belgium, Italy and Switzerland. Twice every month. Subscription per year: With the colored plates, \$2.30, without the colored plates, \$1.20.

14 Rue de Sevres 14, PARIS France.

Clipper Lawn Mower Co. DIXON, ILL.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-in. Mower, \$5; No. 2—15-in. Mower, \$6; No. 3—18-in. Mower, \$7; No. 4—21-in. Mower, \$8. Send draft, money-order or reg. letter.

Please mention the American Florist when writing.

The Standard

VENTILATING MACHINERY

The original machine with self-rolling cups. The most powerful, least complicated, very compact with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio,

Please mention the American Florist when writing.

King Construction Co.

NORTH TONAWANDA, N. Y. and
TORONTO, ONT.

New Greenhouse Catalogue ready for distribution. Send for it.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

THE Albany Steam Trap Company is receiving some flattering testimonials bearing on the coal-saving qualities of its steam traps.

Boiler Scale.

A good many engineers object to hammering off scale in a boiler where same is used for pressure on account of injury done to the shell. The George W. Lord Company makes, I think, the remedy par excellence for this trouble. It is really not an expensive preventive to use, as a clean boiler will make steam so much faster and much less coal is needed, not to mention the damage done by great heat to scale boiler plates.

W.

Quality of Greenhouse Glass.

ED. AMERICAN FLORIST:—

Is the glass now sold and designated as "greenhouse glass" second or third quality? Is third quality glass good enough for raising good carnations?

MASSACHUSETTS.

There are two qualities usually used by florists, viz., "A" and "B" quality. A great many of the best flower growers are now using half "A" and half "B" quality, using the poorer grade for the north side of the house. The "B" quality is the same in thickness as the "A," the only difference being that there are more imperfections in the poorer grade. We have known of some growers using the "B" grade straight through, without experiencing any difficulty, but believe the method of using half of each grade is not only quite a saving in money, but gives just about as good results.

L. E. PARTRIDGE.

The Glass Market.

CHICAGO.—The demand for window glass has not shown any material increase of late, although it has been fairly good through the winter. There is a surplus of single strength glass in the small sizes, which is due to the large amount of machine made glass that is available for distribution, while the larger sizes are scarce, owing to the fact that the glass blowing machines are not apparently adapted to their manufacture. There is a growing accumulation, says the Chicago American Lumberman, and it is believed that the scarcity that has existed in several items will be considerably relieved before long, there being already reported a stock of B double strength more than sufficient for immediate needs.

NEW YORK.—The demand for window glass has not been up to the general expectations of jobbers, and salesmen who have been on the road report that considerable figuring is going on, but no business is being transacted. It appears, says the Oil, Paint & Drug Reporter, that jobbers are not inclined to stock up heavily, as it is intimated

that the trade in general fear the competition of the machine made glass. All of the factories which are turning out good glass are carrying very light stocks and it is intimated that when the latter go out of blast no stocks of consequence will be carried through the summer months.

Greenhouse Building.

Passaic, N. J.—Hansen & Lunsted, addition, 100 feet long.

Montpelier, Vt.—Emslie & Broadfoot, vegetable house.

Anita, Ia.—Charles H. Talbot, extensive additions contemplated.

Pittsburg, Pa.—William Flemm, rebuilding on site of former house destroyed by fire.

Lawrence, Mass.—A. H. Wagland, house for show purposes, 21 x 55 feet.

Elwood, Ind.—A. Deubendorfer, one house contemplated for this spring.

Plainfield, N. J.—Bellview Avenue Nursery, carnation house, 21 x 50 feet.

Mobile, Ala.—Chatogue Greenhouses, carnation house, 15,000 feet of glass.

Grandville, Mich.—James Schols, rebuilding one house, 16 x 120 feet. Freyling & Mendles, rebuilding three houses, each 20 x 75 feet. Henry Smith, one new house, 28 x 300 feet.

Norwich, Conn.—M. J. Field, rebuilding burned greenhouses.

Toronto, Ont.—Grobba & Wandrey, range 200 x 250 feet, for carnations.

John Gard, two houses, 20 x 200 feet.

P. Fogarty & Sons, two houses, 21 x 150 feet.

Louisville, Ky.—Adam Heitz, new house, 8,100 feet of glass.

Vancouver, B. C.—James Hazelwood, two even-span greenhouses, 17 x 54 feet each, and one house 10 x 54 feet.

Tampa, Fla.—Tampa Floral Company, new range of commercial greenhouses.

Lincroft, N. J.—Henry Winter, one house 18x100 feet.

Red Bank, N. J.—W. W. Kennedy & Sons, one house 22x100 feet.

Beatrice, Neb.—Dole Floral Company, new range of glass, 10,000 to 11,000 feet.

Alliance, O.—Lamborn Floral Company, range of 50,000 square feet of glass for cut flowers.

Fairbury, Ill.—Kring Brothers, carnation house, 30 x 300 feet.

Economy in Fuel.

ED. AMERICAN FLORIST:—

In this part of Texas heat, as a rule, is only necessary at night, but temperature conditions go to extremes suddenly when a norther comes up, the mercury dropping from 60° to 70° in less than twelve hours. Is there any economy in fuel to supply a house with enough radiating surface to give the required temperature with a boiler water temperature of from 140° to 160°, moderate firing, rather than to have the boiler water temperature up to 180°, extreme firing, to get the required house temperature? In other words, is it not economy in fuel to have a moderate fire, if temperature point is obtainable, with all drafts at bottom closed, rather than to have to run with bottom drafts wide open? I use a No. 30 Wilks boiler and Indian Territory coal. Which would be cheaper, to use McAllister soft coal at \$8 per ton or Lykens Valley red ash coal (egg) at \$11.50, used with magazine in above boiler? J. J. N.

The greatest economy of fuel is

secured when the heating plant is of sufficient capacity to provide the desired temperature with a gentle fire, the return water being not over 140°. Under the conditions named a plant with boiler and radiating surface that will suffice with careful firing in the time of a blizzard should be able to give the heat needed in ordinary weather with all drafts closed. I would prefer to heat the water to 180° in the blizzards rather than put in a plant that will do it at 140°, for which a considerable increase in radiation will be necessary.

L. R. TAFT.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I intend to overhaul my houses and would like to know the best manner of piping them, 2-inch pipe preferred. The house marked No. 1 is 56 feet long, 20 feet wide and 11 feet to ridge and runs north and south. The wall on the west side is 3 feet double board and 2 feet of glass. The south end is glass; the work shed, 10 x 10, and the office, 7 x 9, are on the north end. The boiler pit is under the office and is 4 feet below the level of the greenhouse floor. I would like a temperature of 55° in this house when it is 10° below zero outside. House No. 2 is 56 feet long, 8 feet wide and 7 feet to ridge, with 4 feet solid wall on east side. I would like 45° to 50° in this house. The diagrams are marked from the inside. G. E. T.

For the house 20 feet wide it will be best to use three 2½-inch flow pipes and ten 2-inch returns. The diagram shows two solid beds and one bench but the height is not indicated, and it will not be possible to tell just where the pipes should be placed. It is probable that a flow should be on each plate and the other 2 feet under the ridge. The return will have to be in the walks and under the bench, so as to give an even distribution. In the 8-foot house use one 2-inch flow and one return on each side. The flows can be on the plates and the returns under the benches, or all the pipes can be beneath the benches.

L. R. TAFT.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I have two carnation houses, each 21 x 80 feet, running east and west. The walls are 5 feet high with 2 feet of stationary glass on south wall. Rest of wall is of 1-inch boards with three-ply paper and sheeting. I will use a No. 1 Kroeschell hot water boiler and desire to use 3-inch pipe. How would you arrange the pipes? The temperature seldom goes down to 20° below zero.

M. K. D.

Seven 3-inch pipes will be required in each house. Two or three of these should be flows, but without knowing regarding the arrangement of the benches it will not be possible to locate them.

L. R. TAFT.

HUDSON, N. Y.—The annual fair of the Columbia Agricultural and Horticultural Association will be held here September 12 to 14.

FULTON, IA.—Preparations are being made for the erection of a greenhouse, probable cost being \$10,000, for cultivation of cucumbers, tomatoes, etc., for early market.

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Carnation—Rooted cuttings ready now: Lady Bountiful, Phyllis, Chicago White, Robert Craig, White Lawson. Send for prices. Cardinal, \$12 per 100, \$100 per 1,000; Crisis, new, \$12 per 100, \$100 per 1,000; Crusader, \$5 per 100, \$40 per 1,000; Daheim, \$6 per 100, \$50 per 1,000; Eclipse, Dorner's, \$12 per 100, \$100 per 1,000; Enchantress, \$4 per 100, \$30 per 1,000; Estelle, \$3 per 100, \$25 per 1,000; Flamingo, \$6 per 100, \$50 per 1,000; Flora Hill, \$1.75 per 100, \$15 per 1,000; Lord, \$1.75 per 100, \$15 per 1,000; Harlowarden, \$2.50 per 100, \$20 per 1,000; Indianapolis, \$5 per 100, \$40 per 1,000; Lawson, \$3 per 100, \$25 per 1,000; Mrs. Patten, \$6 per 100, \$50 per 1,000; Nelson Fisher, \$6 per 100, \$50 per 1,000; Prosperity, fancy, \$3 per 100, \$25 per 1,000; Queen Louise, \$1.75 per 100, \$15 per 1,000; Red Lawson, \$10 per 100, \$75 per 1,000; Richmond Gem, \$10 per 100, \$75 per 1,000; The Belle, \$6 per 100, \$50 per 1,000; Vesper, \$5 per 100, \$40 per 1,000; Variegated Lawson, \$12 per 100, \$100 per 1,000; White Cloud, \$1.75 per 100, \$15 per 1,000; White Swan, \$10 per 100, \$80 per 1,000. Vaughan's Seed Store, Chicago, Greenhouses, Western Springs, Ill.

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Carnation—Strong, healthy, well rooted cuttings. Prosperity, Joost, Lawson and Wolcott, \$2 per 100; Moonlight, \$3 per 100. John Brod, Niles Center, Ill.

Carnations—Sturdy little pot plants from best cuttings, per 100: B. Market, \$2.50; Gov. Wolcott, \$3; Indianapolis, \$4; Mrs. Nelson, \$2.50; Mrs. Lawson, \$2.50; The Queen, \$3; G. H. Crane, Glacier, Lorna, Floriana, M. Joost, Morning Glory, Pres. McKinley, \$2.50; White Lawson, \$7, and Cardinal, \$12.

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Carnation—Carnation Candace, \$2 per doz., \$12 per 100, \$100 per 1,000. Dis-semination 1906.

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Chrysanthemum—Three new chrysanthemums. Majestic, Adelia and Madonna, rooted cuttings, \$3 per doz., \$15 per 100; 2-in. pots, \$20 per 100.

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Chrysanthemum—Fine plants, ready to ship, from soil or sand. White, per 100: Estelle, Kalb, Robinson, Polly Rose, Wanamaker, \$2; Eaton, \$2.50; Bonnaffon, Snow Queen, Merry Christmas, Mayflower, Ivory, J. Jones, \$2; H. Plumbridge, \$3. Yellow, per 100: October Sunshine, Monrovia, Malor Bonnaffon, Appleton, Y. Jones, Y. Mayflower, Beauty, Mourner, Omega, \$2; Y. Eaton, Golden Wedding, \$2.50; Wm. Thirkell, T. W. Pockett, H. S. Valis, Kimberly, \$3. Pink, per 100: Duckham, Cobbold, Ralfour, \$3; Glory of Pacific, Pink Ivory, M. Newell, J. K. Shaw, Perrin, M. Liger, Lavender Queen, Richardson, Murdoch V. Morell, \$2. Red, per 100: Oakland, Paul Labbe, Black Hawk, \$2.50.

Wietor Bros., 51 Wabash Ave., Chicago.

Carnation—White Lawson, from 2-in. pots, \$6 per 100; \$55 per 1,000. John Breitmeyer's Sons, Detroit, Mich.

Carnations—Pot grown per 100: Enchantress \$4; B. Market \$2.50; Red Snort and Flamingo \$6; The Queen and Mrs. Fisher \$2. R. C. from soil, per 100: F. Hill, Q. Louise, Scott, Joost, Crocker, \$1.50; Crane \$2; Enchantress \$3. C. Eisele, 11th and Jefferson St., Philadelphia.

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Chrysanthemum—Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references. Baur Floral Co., Erie, Pa.

Chrysanthemum—Rooted cuttings ready now. All best commercial varieties; also some of tried newer sorts. First-class stock.

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L. J. Rowe, Titusville, Pa.

Chrysanthemum—Rooted cuttings, early chrysanthemums, Opah, Mme. Bergman, Willowbrook, October Sunshine, Eli Crass, Grand Rapids, Mich.

Chrysanthemums—Ready to ship now out of soil, good strong cuttings as follows: 200 G. S. Kalb, 200 Monrovia, 300 F. Teal, 100 Glory of Pacific, 200 Polly Rose, 100 Willowbrook, 100 Golden Trophy, 100 Mrs. Robinson, 400 Bride, 400 Appleton, 400 Minerva, 200 G. W. Childs, 300 T. Shrimpton, 200 Vivand-Morel, 1,000 Niveus, 1,000 Mutual Friend, 1,000 Halliday, 2,000 Ivory, white; 300 Ivory, pink; 500 Cullingfordi, 400 J. Jones, white; 400 J. Jones, yellow; 300 Black Hawk, 300 Xeno, 1,200 G. Wedding, 1,000 Lincoln, 700 Maud Dean, 300 Nagoya, 400 Mme. F. Perrin, 500 T. Eaton, 1,000 Y. Bonnaffon. Above varieties, \$1.50 per 100; \$12.50 per 1,000. B. Wells, Princess, N. Pockett, Mrs. W. Mildred Ware, Mrs. E. F. Vallis, W. Duckham, Dr. Enguehard, \$2.50 per 100. Gen. Hutton, F. A. Cobbold, Leila Filkins, L. T. Wright, \$4 per 100.

W. F. Kasting 383-87 Ellicott St., Buffalo.

Chrysanthemum—M. Bonnaffon, Robinson, G. Pacific and M. Liger, \$2 per 100, \$15 per 1,000; Estelle and Wm. Duckham, \$3 per 100, \$25 per 1,000; same var. from 2½-in. pots, \$1 per 100. Chicago Carnation Co., Joliet, Ill.

Chrysanthemums—Rooted cuttings. Wm. Duckham, Monrovia, Alice Byron, Mrs. Coombes, J. K. Shaw and others, \$1.50 per 100; 2 to 2½-in. plants, \$3 per 100. Dr. Enguehard, rooted cuttings, \$3 per 100; pot plants, \$5 per 100; all strong, healthy stock, true to name. Gunnar Teilmann, Marion, Ind.

Chrysanthemums—Rooted cuttings. Wm. Swayne, Kennett Sq., Philadelphia.

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Chrysanthemums—75,000 best var., including best Pompon collection in country. Special prices on Pompons, for short time. \$2.50 per 100, \$20 per 1,000, our selection. Nathan Smith & Son, Adrian, Mich.

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Chrysanthemums—Mrs. W. Duckham, 75c each; \$7.50 per doz.; Merstham Yellow, White Coombes, 50c each; \$5 per doz.; \$35 per 100; also Mrs. A. J. Miller, J. H. Doyle, D. Stevens, Mrs. H. A. Allen, Emily Mileham, Merstham Red, Val. Greenham, Lady Cranston, etc., 50c each; \$5 per doz.; \$30 per 100; W. Duckham, F. A. Cobbold, Gen. Hutton, D. McLeod, W. R. Church, B. Wells, Cheltoni, Harrison Dick, etc., \$8 per 100; Mrs. T. W. Pockett, C. J. Salter, Mrs. E. Thirkell, F. S. Vallis, and other standard kinds. Charles H. Totty, Madison, N. J.

Chrysanthemums—Three new chrysanthemums. Majestic, Adelia and Madonna, \$3 per doz., \$15 per 100; 2-in. pots. John Breitmeyer's Sons, Detroit, Mich.

Chrysanthemums—Best standard varieties, R. C. from soil \$2 per 100, C. Eisele, 11th and Jefferson St., Philadelphia.

Clematis—Jackmani, 2-yr. \$2.50 per doz.; \$20 per 100; 3-yr. \$4.50 per doz., \$35 per 100; ass't'd. 3-yr. \$3.50 per doz., \$25 per 100. Vaughan's Seed Store, Chicago and N. Y.

Clematis—Jackmani, Mme. E. Andre, Henryl, Ramona, 2-year fieldgrown. W. & T. Smith Co., Geneva, N. Y.

Clematis—Clematis, 2-yr., home grown, 25c; \$2 per doz.; \$15 per 100. Paniculata, \$1 per doz.; \$8 per 100; 2½-in. pots 75c per doz.; \$4 per 100. F. A. Baller, Bloomington, Ill.

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Dahlia—Kaiserin Augusta Victoria, dbl., 4 to 5-in. diameter, stems 12 to 18-in. long, plants 3 to 3½ feet high; stock from 2½-in. pots, \$3 per doz.; \$20 per 100. Delivery May 1.

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Deutzia—Easter stock. Deutzias for forcing; strong, two-year-old field-grown plants, for 6-in. pots. Gracilis rosea, \$1 per doz., \$8 per 100. Gracilis Lemolnei, \$1 per doz., \$8 per 100.

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Deutzia—Deutzia Gracilis, 7-in. pots, 15c each, \$1.50 per doz., \$12 per 100; Deutzia Lemolnei, 7-in. pots, 40c each, \$3.50 per doz., \$25 per 100.

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Dracena—Dracena indivisa, per 100, 2½-in., \$3; 3-in., \$4.

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Dracena—Dracena indivisa, 3-in. to 4-in., \$6 and \$10; 2½-in. root. cut., \$2 per 100. By mail add 10c per 100 root. cut. and seedlings. Cash with order. Ludvig Mosbaek, Onarga, Ill.

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Ferns—Boston ferns, 3, 4 and 5 in., also 2½-in. for bedding out. Plumosus and Sprenger, 2½, 3, 4, 5 and 6 in.

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Ferns, Etc.—Boston, Piersoni and Scottii ferns.

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Ferns—Fancy ferns, \$1.50 per 1,000; dagger ferns, \$1.25 per 1,000; galax, 75c per 1,000, \$6.50 per case of 10,000. Laurel festooning, 4c, 5c, 6c per yd.; wild smilax, \$5.50 per 50-lb. case; laurel and Princess pine wreaths.

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Geranium—S. A. Nutt geraniums, healthy, 2½-in., \$3.50 per 100.

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Geranium—2,000 rose geraniums, 2½-in., \$2.50 per 100, \$22.50 per 1,000. Maple City Greenhouses, Honesdale, Pa.

Geranium—Orosa and Snow Queen from 2½-in. pots, \$15 per 100; Geranium Mme. Salleri, from 2½-in. pots, \$2.50 per 100. Nathan Smith & Son, Adrian, Mich.

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Heliotrope—Heliotrope, 75c per 100, rooted cuttings.

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Heliotrope—Rooted cuttings, 12 varieties, \$1 per 100; \$8 per 1,000.

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Heliotrope—The best named var., \$1 per 100, \$8 per 1,000. C. Humfield, Clay Center, Kan.

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Vaughan's Seed Store, Chicago and New York.

Hydrangea—3,000 hydrangeas, 75c to \$5 each, for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Hydrangeas—*Hydrangea otaksa*. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Ivy—German ivy, 2-in., \$2.50 per 100. Geo. M. Emmans, Newton, N. J.

Ivy—Hardy ivies, 2½-in. pots, plants 4 to 10 in. in height, \$5 per 100. C. A. Knapp, Chestnut Hill, Philadelphia.

Japanese Novelties—Tiny plants in 2 and 3-in. decorated Japanese pots, \$15, \$20 and \$25 per 100. Rhapis, 5 to 15 shoots, 50c each. Hinde Florist Co., Woodside, N. Y., and Whitestone, L. I., N. Y.

Lantana—Five best varieties, \$1.25 per 100, \$10 per 1,000. C. Humfeld, Clay Center, Kan.

Lilies—Japan and Harrisii lilies. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Lilies—Cape Cod, pink pond lilies, strong, flowering roots, \$3 per doz. W. I. Bodfish, W. Barnstable, Mass.

Lilium Harrisii—Lilium Harrisii bulbs for coming season. J. M. Thorburn & Co., 36 Cortlandt St., N. Y.

Lilium Longiflorum—20,000 pots; 12c per bloom, for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Lobelia—Lobelia, dwarf blue, \$1 per 100.

Hill Top Greenhouses, Utica, N. Y.

Ophiopogon—*Ophiopogon Jaburan*, golden striped, finest plant for dish planting, 3-in., \$8 per 100; hardy as *Aspidistra*. Albert Fuchs, 2059 N. Halsted St., Chicago.

Orchid—*Orchid Cypripedium insigne*, Al. 5-in. plants, \$1 cash. Smith & Young Co., Indianapolis, Ind.

Orchids—Orchids, per 100: *Cypripedium insigne*, \$8; *Cypripedium callosum*, \$20; *Cypripedium Laurenceanum*, \$25; *Dendrobium formosum*, giganteum, \$9 per doz., \$70 per 100; *Vanda Cœrulea*, 10 to 12 lbs., \$15 per doz.; 12 to 15 lbs., \$22 per doz. Julius Roehrs Co., Exotic Nurseries, Rutherford, N. J.

Orchids—*Cattleya labiata autumnalis*. Stanley & Co., Southgate, England.

Orchids—Largest growers, importers, exporters and hybridists in the world. Sander, St. Albans, England.

Orchid—*Cattleya labiata*, also large stock established orchids. Lager & Hurrell, Summit, N. J.

Orchid—*Cattleya Schroederæ* a grand well assorted importation just arrived. Stanley & Co., Southgate, England.

Palms, Etc.—Growers and importers, palms and ferns; decorative plants. Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Palms, Etc.—Palms, ferns and decorative plants.

John Burton, Assignee for Robert Craig & Son, Market and 49th Sts., Philadelphia.

Palms, Etc.—Kentia Belmoreana and Kentia Forsteriana. Joseph Heacock, Wyncote, Pa.

Palms, Etc.—*Lantania Bor.*, 2-in. pot, seed leaves, \$3 per 100; *Lantania Bor.*, 3-in. pot, 15-18-in., 2-3 chr. lvs., \$12 per 100; *Lantania Bor.*, 5-in. pot, 18-20-in., 3-4 chr. lvs., \$15 per 100; *Lantania Bor.*, 5-in. pot, 20-24-in., 4 chr. lvs., \$20 per 100; Kentia Bel., 2½-in. pot, 6-8-in., 2 leaves, \$10 per 100; Kentia Bel., 3-in. pot, 8-10-in., 3-4 leaves, \$12.50 per 100; Kentia Bel., 4-in. pot, 12-15-in., 4-5 leaves, \$16 per 100. Sherman Nursery Co., Charles City, Ia.

Palms, Etc.—Palms, ferns and decorative plants.

R. Dreyer, Woodside, L. I., N. Y.

Pansies—100,000 now in bloom, extra large field-grown plants; they are the kind that sell; \$2 per 100, \$20 per 1,000; seedlings \$3 per 1,000. A. A. Sawyer, 22 S. Harlem Ave., Oak Park, Ill.

Pansies—Extra fine stock in bud and bloom, \$1.25 per 100, \$12 per 1,000. Park Floral Co., Grand Rapids, Mich.

Pansies—The Jennings strain. cold-frame plants, in bud and bloom, mixed colors; ready April 1. \$1.50 per 100. Cash with order. E. B. Jennings, Southport, Conn.

Pansies—200,000 fine large plants of the famous large flowering Bugnot's, Cassier's, Odier and Trimardeau, 50c per 100; \$3 per 1,000. Extra large plants coming in bud, \$1 per 100.

Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Pansies—100,000 pansy plants, \$10 per 1,000. Unrooted cuttings, half price of rooted. Loomis Carnation Co., Loomis, Cal.

Pansies—Pansies, strong, transplanted, Vaughan's Giant mixture, 75c per 100; sample for stamp. Nemaha Greenhouses, Seneca, Kan.

Pansies—300,000 splendid plants, ready to ship. \$12.50, \$10, \$6.50, \$4 and \$3 per 1,000, according to size of plants; sample free. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Pansies—White, black, blue, purple and yellow, separate colors, trans., \$1 per 100. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Pansies—Fine plants, \$5 per 1,000. C. O. Williams, Batavia, Ill.

Pansies—Pansies, \$2 per 100. C. Eisele, 11th and Jefferson St., Philadelphia.

Peonies—Peonies, \$6 to \$12 per 100; C. O. Williams, Batavia, Ill.

Peonies—Specialists in peonies. Cottage Gardens Co., Inc., Queens, L. I., N. Y.

Peonies—Choice white; strong divided plants, 3 to 5 eyes, in quantity. *Festiva maxima*, 35c; *Q. Victoria*, 12c; *Golden Harvest*, 20c. Order at once, spring delivery. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies—Peonies and hardy plants. W. W. Wilmore, Denver, Col.

Petunias—Rooted cuttings, 10 best sorts, \$1 per 100, prepaid. Byer Floral Co., Shippensburg, Pa.

Petunias—Dbl. petunias, rooted cuttings, 10 finest, \$1 per 100. Byer Bros., Chambersburg, Pa.

Petunias—Double petunias, \$3 per 100; seedlings \$2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias—Double fringed petunia. Six distinct novelties, labeled, \$1.25 per 100, \$10 per 1,000, choice rooted cuttings. The W. T. Buckley Co., Springfield, Ill.

Petunias—20 varieties, \$1.25 per 100, \$10 per 1,000. S. D. Brant, Clay Center, Kan.

Petunias—Petunias, dbl., fringed, in bud and bloom, 4-in., \$6 per 100. Hill Top Greenhouses, Utica, N. Y.

Petunias—Dbl. fringed, 2½-in. pots, \$2.50 per 100; single fringed, trans., strong, 2½-in. pots, \$1 to \$2. By mail add 10c per 100 root cut. and seedlings. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Petunias—King's double white, \$1.25 per 100, \$10 per 1,000. C. Humfeld, Clay Center, Kan.

Phlox—Hardy perennial phlox, Dreer's collection, 3-in. pots, \$3 per 100, \$5 per 200. C. G. Nanz, Owensboro, Ky.

Pinks—Hardy pinks, six best varieties, 4-in. pots, 75c per doz., \$6 per 100. Henry A. Dreer, Philadelphia.

Poinsettias—Stock plants, dormant, 5-in. pots, \$1.50 per doz.; \$10 per 100. C. Eisele, 11th and Jefferson St., Philadelphia.

Primroses—Primroses Chinese, Obconica and Forbesi; \$2 per 100, July 1 delivery. Jos. H. Cunningham, Delaware, O.

Roses—Roses from 2½-in. pot, clean, healthy stock. Bridesmaid, Bride, Golden Gate and Perle at \$3 per 100; Sunrise, \$4 per 100. Wm. L. Rock Flower Co., Kansas City.

Roses—We grow over 100,000 annually. All the best varieties, at current prices. Send us your order. Geo. A. Kuhl, Pekin, Ill.

Roses—American Beauty, La France and Bride. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Roses—2½-in. pot plants: Richmond, \$30 per 100, \$250 per 1,000; Rosalind Orr English, \$25 per 100, \$200 per 1,000; Chateaufort, \$4 per 100, \$30 per 1,000; Sunrise, \$4 per 100, \$30 per 1,000; Perle von Godesberg, \$5 per 100, \$40 per 1,000; Liberty, \$5 per 100, \$45 per 1,000; La Detroit, \$6 per 100, \$50 per 1,000; Uncle John, \$4 per 100, \$35 per 1,000; Kaiserin, \$4 per 100, \$30 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; Perle, \$3 per 100, \$25 per 1,000; A. Beauty, \$6 per 100, \$50 per 1,000; American Beauty bench plants, \$6 per 100, \$50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses—Young stock of roses ready to ship; from 2-in. pots: Bride, \$3 per 100, \$25 per 1,000; Bridesmaid, \$3 per 100, \$25 per 1,000; Meteor, \$4 per 100, \$30 per 1,000; Golden Gate, \$3 per 100, \$25 per 1,000; Chateaufort, \$3 per 100, \$25 per 1,000; Kaiserin, \$4 per 100, \$35 per 1,000. Wiator Brothers, 51 Wabash Ave., Chicago.

Roses—4,000 Crimson Ramblers, \$1 to \$25 each; 3,000 rose plants, \$6, \$9, \$12 per doz., for Easter.

H. C. Steinhoff, W. Hoboken, N. J.

Roses—Bride, Bridesmaid, Perle, Ivory, G. Gate, Etoile de Lyon, Mrs. Cant, Cochet, Bon Silene, etc., \$4 per 100, \$38 per 1,000, 3-in. pots. Same var., 2-in. \$3 per 100, \$25 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses—Roses, 2½-in. pots, strong plants. Maid, Bride, White and Pink Cochet, \$2.50 per 100, \$20 per 1,000. American Beauties, 2½-in. pots, \$5 per 100, \$40 per 1,000; 3-in. pot plants, \$6 per 100, \$50 per 1,000.

C. W. Reimers, Station A, Louisville, Ky.

Roses—Easter stock. Baby Rambler rose, Mme. Norbert Levavasseur, 1-year-old, field-grown, for 4-in. pots, \$5 per doz., \$35 per 100.

Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Rose—Gen. MacArthur, 2½-in. pot plants, \$10 per 100, \$80 per 1,000; 3-in., \$12 per 100. Storrs & Harrison Co., Painesville, O.

Roses—Forcing and bedding roses. A. Beauty, 2½-in. pots, \$5 per 100; Muriel Graham, fine for forcing, Sept. propagating, strong, 3-in. pots, \$10 per 100; P. Rambler, 3-in. pots, strong, \$8 per 100. New roses (last year), climbing Marie Bulow, M. Jean Dupuy, Comte Amadee de Foras, Mme. T. Cusin, Peace, all Sept. propagating, strong, 3-in. pots, \$1.25 per doz. Oxford Retreat, Oxford, O.

Roses—Grafted rose stock, Kaiserin and Carnot, 2½-in. pots, \$15 per 100; \$120 per 1,000. Our root stock, Kaiserin, Carnot, Bride and Bridesmaid, 2½-in. pots, \$4 per 100, \$35 per 1,000. W. H. Elliott, Brighton, Mass.

Roses—Gen. MacArthur roses, \$10 per 100, \$90 per 1,000; Chateaufort, \$3 per 100, \$25 per 1,000. Gasser Co., Cleveland, O.

Roses—60,000 grafted roses for forcing. Delivery April, May, June. Liberty, rose pots, \$2 per 100; 3½-in. pots, \$18 per 100; Brides, Bridesmaids, Golden Gate, Kaiserin, rose pots, \$10 per 100; 3½-in. pots, \$15 per 100.

J. L. Dillon, Bloomsburg, Pa.

Roses—Fine, clean stock from 2½-in. pots, \$2.50 per 100, \$20 per 1,000; Maman Cochet, 2 var., Hermosa, M. Niel, Meteor, Cl. Meteor, Burbank, C. Soupert, Etoile de Lyon, Ivory, G. Gate, Bride, Bridesmaid, Duchesse de Brabant, Bon Silene, Agrippina, Pillar of Gold, Solfaire, Marie Guillot, M. Van Houtte, Gruss an Teplitz, F. Kruger, Perle des Jardins, Mme. Welche, Safrano, Lamarque, white and striped La France, Cl. Wootton, D. of Albany, Helen Gould, Papa Gontier, Chateaufort, Folkestone, Media, Antoine Rivoire, Malmaison, Clara Watson, R. H. Murphey, Urbana, Ohio.

Roses—A complete list of all the forcing varieties, both new and old. John N. May, Summit, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses—Grafted and own root stock of Ivory, Bride, Bridesmaid, Meteor, Mme. Hoste, G. Gate, Mrs. P. Morgan, Mme. A. Chateau. Grafted, \$15 per 100; \$120 per 1,000. Own roots, from 2½-in. pots, \$5 per 100; \$45 per 1,000. Sunrise, on own roots, from 2½-in. pots, \$8 per 100. A. Beauty, own roots, from 2½-in. pots, \$8 per 100; \$75 per 1,000; 3-in. stock, \$12 per 100, \$100 per 1,000. Extra fine grafted Killarney in 2½-in. pots, \$25 per 100. A. N. Pierson, Cromwell, Conn.

Roses—The new Rose Wellesley in 2½-in. pots, at \$25 per 100; own root plants. Several thousand Bride and Bridesmaid roses in 2½-in. pots, \$10 per 100; 1,000 rate on application. Waban Rose Conservatories, Natick, Mass.

Rose Plants—Bridesmaid, \$3 per 100, \$25 per 1,000; Bride, \$3 per 100, \$25 per 1,000; Golden Gate, \$3 per 100, \$25 per 1,000; Ivory, \$3 per 100, \$25 per 1,000; Chateau, \$3 per 100, \$25 per 1,000; 2½-in. pot plants. George Reinberg, 51 Wabash Ave., Chicago.

Roses—The fine new pink rose, La Detroit, 2½-in. pots, \$8 per 100, \$75 per 1,000; 3½-in. pots, \$12 per 100, \$100 per 1,000. John Breitmeyer's Sons, Detroit, Mich.

Roses—We grow A. Beauty, Liberty, Bride, Bridesmaid, Chateau and other fancy roses. Bassett & Washburn, 76 Wabash Ave., Chicago.

Rudbeckia—Golden Glow, 4-in. pots, 75c per doz., \$6 per 100. Henry A. Dreer, Philadelphia.

Rudbeckia—Dormant, 1-yr. old stock, Golden Glow, Newman, Triloba, 3-in. \$3 per 100. Nathan Smith & Son, Adrian, Mich.

Salvia—Salvia splendens, \$1 per 100. Hill Top Greenhouses, Utica, N. Y.

Salvia—Salvia, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides possessing more than all the good qualities of other good salvias it can be had in bloom for Thanksgiving and Christmas. Write for descriptive catalogue. 2-in. pots, \$1 per doz., \$6 per 100; 4-in. pots, \$2 per doz., \$12.50 per 100. Iowa Seed Co., Des Moines, Ia.

Salvias—Salvia splendens and Jean Revenal, rooted cuttings, 75c per 100, \$6 per 1,000. Frank A. Pierson, Cromwell, Conn.

Salvias—Six varieties, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kan.

Salvias—Bonfire and St. Louis, \$1 per 100, \$8 per 1,000. C. Humfeld, Clay Center, Kan.

Salvias—Salvia, two best, Lord Fauntelroy (dwarf), Bonfire (tall), \$1 per 100, \$8 per 1,000, choice rooted cuttings. The W. T. Buckley Co., Springfield, Ill.

Salvias—10,000 fine large 2-in. Salvia splendens, \$1.50 per 100, \$15 per 1,000. S. W. Carey, Urbana, O.

Salvia—Salvia splendens and Bonfire, 2½-in. pots, fine plants, \$2 per 100. C. G. Nanz, Owensboro, Ky.

Salvia—Rooted cuttings, Bonfire and Splendens, 90c per 100, prepaid. Byer Floral Co., Shippensburg, Pa.

Salvia—In varieties, 2½-in., \$2; root cut, \$1 per 100. By mail add 10c per 100, root, cut, and seedlings. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Smilax—Smilax plants, strong, 2½-in., \$1.50 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Smilax—If you buy 25 plants or 25,000 send for prices; have this stock by the 100,000. Albert M. Herr, Lancaster, Pa.

Smilax—Trans. from flats, \$1 per 100; 25,000 smilax trans. from flats, strong, \$8 per 1,000. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Smilax—Smilax from 2-in. pots, \$1.50 per 100; \$12.50 per 1,000. Good & Reese, Springfield, O.

Snapdragon—Three fine snapdragons, our giant pink, a grand white, and a fine yellow, \$6 per 100, \$50 per 1,000. John Breitmeyer's Sons, Detroit, Mich.

Spiraea—Spiraea compacta floribunda, Japonica and Gladstone. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

Spring Stock—Azaleas, 50c to \$3; hydrangeas, \$1 to \$5; genistas, 30c to \$1; wistarias in bloom, \$2 to \$10; hyacinths in pans, 75c to \$1; spiraea, 25c to 75c. Hinode Florist Co., Woodside and White-stone, L. I., N. Y.

Spring Stock—A. Sprenger, strong 3-in. pot plants, \$3 per 100; Acalypha bicolor compacta, from 2½-in. pots, \$4 per 100; Begonia manicata aurea, 2½-in. pots, \$5 per 100; Carax Japonica variegata, from 2½-in. pots, \$3 per 100; umbrellia plants, Cyperus alternifolius, from 2½-in. pots, \$2.50 per 100; Feverfew Little Gem, from 2½-in. pots, \$2.50 per 100; lemon verbenas, from 2½-in. pots, \$3 per 100; Lobelia gracilis, from 2½-in. pots, \$2.50 per 100; Mirandina, from 2½-in. pots, \$4 per 100; Sansevieria Zeylanica, from 2½-in. pots, \$5 per 100; sweet alyssum, dbl., from 2½-in. pots, \$2.50 per 100. Nathan Smith & Son, Adrian, Mich.

Spring Stock—You will need some or the following for your retail trade. We guarantee quality; send your order now; we ship when you say the word: Hydrangea paniculata grandiflora, 3 to 4 feet, heavy branched, \$1.25 per doz., \$10 per 100; Crimson Rambler roses, extra strong stock, \$1.75 per doz., \$13 per 100; H. P. roses, 2-year-old, named varieties, \$1.50 per doz., \$11 per 100; Clematis Jackmani and sorts, large 3-year-old stock, \$3.75 per doz., \$30 per 100; Ampelopsis Veitchi, extra heavy, Holland grown, \$1.65 per doz., \$12 per 100; tree roses in assortment, strong 2-year-old, \$4.50 per doz., \$35 per 100; Aristolochia, Dutchman's Pipe, extra strong, \$3.75 per doz., \$30 per 100. Bulbs: Dahlia roots, in colors, \$1 per doz., \$7 per 100. Caladium esculentum, 5 to 7 in. in circumference, 40c per doz., \$2.50 per 100; 7 to 9 in., 60c per doz., \$4 per 100; 9 to 12 in., 95c per doz., \$7 per 100; 12 in. and up, \$1.75 per doz., \$13 per 100. Cannas, good named varieties, assorted, 50c per doz., \$3 per 100. Gladiolus, finest mixed, 15c per doz., \$1 per 100. And a complete assortment of all shrubs, vines, bulbs, etc. Write for prices on any stock in this line you might want. We can and will make it worth your while. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Spring Stock—Plants from 2½-in. pots, \$3 per 100: A. plumosus, comorensis, Sprenger, decumbens, alyssum, antirrhinum, abutilon, ageratum, coleus, Verschoffelti, coccia scandens, clematis paniculata, Dracena indivisa, fuchsias, feverfew, Little Gem; geranium, Mme. Sallerol, Mrs. Parker; lobelia; nasturtium, dwarf; petunias; phlox Drummond, salvia, etc. C. Eisele, 11th and Jefferson St., Philadelphia.

Spring Stock—Rooted cuttings of vincas, ageratum, petunias, sw. alyssum, fuchsias, cuphea, salvia, coleus, cannas, feverfew, marguerites, nasturtium, rose geranium, centaurea, etc. Geo. A. Kuhl, Pekin, Ill.

Stocks—Double white, for Easter, \$1 per 100, \$8 per 1,000. Hill Top Greenhouses, Utica, N. Y.

Umbrella Plants—Umbrella plants, 2-in., fine, 2c. Byer Bros., Chambersburg, Pa.

Umbrella Plants—Trans. from flats, 1 or 2 in., \$2 per 100. By mail add 10c per 100 root, cut. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Verbena—Verbena, 2-in. pots, \$2 per 100. Geo. M. Emmans, Newton, N. J.

Verbenas—500,000 verbenas, 60 varieties, perfectly healthy. Prize rooted cuttings, 60c per 100, \$5 per 1,000; plants, 2½-in. pots, \$2.50 per 100, \$20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas—Mammoth verbenas, 60c per 100, \$5 per 1,000; 2½-in., \$1.50 per 100. Hill Top Greenhouses, Utica, N. Y.

Vegetable—Plants price list mailed free. Cash with order. By mail add 10c per 100 root, cut, and seedlings. Ludvig Mosbaek, Onarga, Ill.

Verbenas—Verbenas, \$2 per 100. Jos. H. Cunningham, Delavan, O.

Verbena—Rooted cuttings, 60c per 100; \$5 per 1,000. C. Humfeld, Clay Center, Kan.

Verbena—Lemon verbenas, 2½-in. pots, \$2.50 per 100. By mail add 10c per 100 root, cut, and seedlings. Verbena in colors, trans., \$5 per 1,000, root, cut, 60c per 100. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Vinca—Vinca variegata, 3-in. pots, \$5 per 100.

Frank A. Pierson, Cromwell, Conn.
Vinca—Vinca vine, variegated, \$2.50 per 100. Jas. H. Cunningham, Delaware, O.

Vinca—Vinca var., 3-in., \$5 per 100; 4 and 5 in., strong field grown, \$10 per 100. Goshen Floral Co., Goshen, Ind.

Vinca—Vinca, 3-in., \$6 per 100; 2½-in., \$2; root, cut, \$1 per 100. By mail add 10c per 100, root, cut, and seedlings. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Vinca—Vinca major variegata, 3-in. pot plants, \$5 per 100; vinca (green) field clumps, \$6 per 100. Nathan Smith & Son, Adrian, Mich.

Vines—Clematis paniculata, 2-yr., 10c; A. Veitchi, 10c; American ivy, 8c; honeysuckle, Hall's, etc., 8c. W. H. Salter, Rochester, N. Y.

Vines—Ivy, 3-in. 75c per doz., \$5 per 100; 4-in. pots, \$1.50 per doz., \$10 per 100. Moon vines, 3-in. pots 75c per doz., \$5 per 100. C. Eisele, Philadelphia.

Violets—Grand Rapids violet stock from bench, M. Louise, Imperial and Princess of Wales, \$5 per 100, \$40 per 1,000; rooted cuttings, \$10 per 1,000; pots, \$2.50 per 100, \$20 per 1,000; rooted cuttings of Campbell, \$5 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Violets—Trans. violet layers, Princess of Wales \$1.50 per 100, \$10 per 1,000. F. A. Baller, Bloomington, Ill.

Violets—Rooted cuttings. Ell Cross, Grand Rapids, Mich.

Violets—Strong soil plants of Lady Campbell. Wm. Swayne, Philadelphia.

Violets—5,000 healthy Marie Louise violet clumps for sale after April 23. Maplewood Violet House, Lansing, Mich.

Violets—Russian, strong, healthy field grown plants, \$1 per 100, \$9 per 1,000. Cook & Cook, Alvin, Tex.

Wistaria—Wistaria, large assortment for Easter plants. H. C. Steinhoff, W. Hoboken, N. J.

Zamia—Zamia integrifolia, \$12 per 1,000. Soar Bros., Little River, Fla.

NURSERY STOCK.

Ampelopsis—Ampelopsis Veitchi. W. & T. Smith Co., Geneva, N. Y.

Box Trees—New importation. Tree shaped, 2½ ft. \$4 each; bush shaped, 18 to 20-in. \$1 each, 2½-ft. \$3, 3½-ft. \$4 each; pyramidal, 3-ft., \$2.50, 3½-ft. \$3, 4-ft. \$4 each. Vaughan's Seed Store, Chicago and New York.

Blackberry—Six varieties, first-class root, cut, plants, 1c. Five through trunk R. R. lines from Springfield, Ill. Free boxing for cash before shipment and at cost if payment by May 15. Certificate from entomologist on each shipment; ship quick. Spaulding N. & O. Co. (nr. Springfield), Spaulding, Ill.

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Landscape—"Beautiful Grounds," an illustrated manual containing suggestions on lawn making, planting and care of shrubs and trees. Landscape plans, topographical surveys, etc. Peterson Nursery, 603 W. Peterson Ave., Chicago.

Lilacs—Forcing lilacs, German pot grown; also the field grown Paris de Marly, imported to order. Aug. Rolker & Sons, 31 Barclay St., N. Y.

Lilacs—Lilacs a specialty. Jacs. Smits, Ltd., Naarden, Holland.

Magnolia—Magnolia grandiflora, per 100: 5-6-in., \$5; 8-10-in., \$8; 15-18-in., \$15; 20-24-in., \$20. Strong, pot-grown plants. Joe Browne, Nashville, Tenn.

Nursery Stock—Elm and maple trees for planting. Thos. Collins, Hinsdale, Mass.

Nursery Stock—Specimen nursery stock. Cottage Gardens Co., Inc., Queens, L. I., N. Y.

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Nursery Stock—Ornamental trees, shrubs and herbaceous perennials, etc. Bay State Nurseries, N. Abington, Mass.

Nursery Stock—Philadelphia Rambler, field plants, 2 to 3 ft., \$2 per doz., \$15 per 100; 3 to 4 ft., \$3 per doz., \$20 per 100. Conard & Jones Co., West Grove, Pa.

Nursery Stock—Trees, shrubs, vines, small fruits. The Wm. H. Moon Co., Morrisville, Pa.

Nursery Stock—Wholesale growers of nursery stock. Catalogue free. W. Van Kleef & Sons, Boskoop, Holland.

Nursery Stock—Headquarters for hardy perennials; 12 acres conifers; 3 acres rhododendrons; 2 acres hydrangeas. Tottenham Nurseries (Ltd.), Dedemsvaart, Holland.

Oaks—Pin oaks, 6 to 7 ft., \$6.75 per 10, \$32 per 100; 7 to 8 ft., \$8 per 10, \$40 per 100; 8 to 9 ft., \$10 per 10, \$44 per 100; 9 to 10 ft., \$14 per 10, \$48 per 100; 10 to 12 ft., \$18 per 10, \$60 per 100. Not less than 10 trees at 10 rate, 25 trees at 100 rate. Andorra Nrs., Chestnut Hill, Philadelphia.

Perennials—Hardy perennials, dormant, 1-yr.-old stock: Anemone Jap. alba, 2½-in., \$4 per 100; Anemone Jap. Lady Ardilaun, 2½-in., \$4 per 100; Aquilegia, long and short spur, 2½-in., \$3 per 100; Chrysanthemum Maximum Triumph, 2½-in., \$2.50 per 100; Delphinium Queen of Blues, 2½-in., \$3 per 100; Digitalis gloxinoides, 2½-in., \$3 per 100; Helianthus sparsifolia, 2½-in., \$8 per 100; Oriental poppies, 2½-in., \$4 per 100. Nathan Smith & Son, Adrian, Mich.

Privet—700,000 California privet, current prices; all plants have been transplanted and cut back, except 1-yr., making them good clean stock. Parties wishing 5,000 or over, write for better rates. River View Nurseries, Little Silver, N. J.

Privet—California privet cheap, 100,000 plants, 3 to 4 ft., \$4 per 100, \$25 per 1,000; 2½ to 3½ ft., \$2.50 per 100, \$17.50 per 1,000; 20 to 30-in., \$2 per 100, \$13 per 1,000; 18 to 24-in., 2 years, \$1.50 per 100, \$7 per 1,000. Boxed f. o. b. here. For car or large lots, write before placing orders. Chas. Black, Hightstown, N. J.

Rhododendron—Best named hybrids, 20-in. high, \$9 per doz.; 24-in., \$12 per doz.; 30-32-in., \$24 per doz. Storrs & Harrison Co., Palmesville, O.

Ribbon Grass—Silver ribbon grass, field-grown roots, 15c each by mail, postpaid. \$1.25 per doz., \$8 per 100 by express, not prepaid. James Vick's Sons, Rochester, N. Y.

Rose—Rose Clothilde Soupert in bud or bloom, 4-in., \$12 per 100. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Roses—Hardy roses. Ellwanger & Barry, Rochester, N. Y.

Roses—Crimson Rambler, Dorothy Perkins, La France, \$9 per 100, for not less than 25 of a kind. Jackson & Perkins Co., Newark and New York.

Roses—Rose plants. Write for prices on hybrid perpetuals, hybrid teas, teas, climbers, ramblers, etc. C. M. Nuffer, Springfield, O.

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Roses—Grass an Teplitz, Maman Cochet, 2-year-old, \$2 per doz., \$15 per 100; Hermosa, 2-year-old, \$2.25 per doz., \$16 per 100; Clothilde Soupert and A. Beauty, \$1.50 per doz., \$10 per 100; Kaiserin Aug. Victoria and Paul Neyron, \$2.50 per doz., \$20 per 100; La France, \$2 per doz., \$15 per 100; Crimson Rambler, 2-year-old, No. 1, \$2 per doz., \$15 per 100; No. 2, \$1.50 per doz., \$10 per 100, and many other varieties. Vaughan's Seed Store, Chicago and New York.

Roses—Rambles, all colors, Magna Charta, F. Karl Druschki, Mme. G. Lulzet, Alf. Colomb, strong 2-yr. dormant. Bride, Perle, Cochet, G. Gate, etc., 5-in. pots, \$10 per 100. W. & T. Smith Co., Geneva, N. Y.

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Roses—Hardy roses, 40c to \$1; Rambler, \$1 to \$20. Hinode Florist Co., Woodside and Whitestone, L. I., N. Y.

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	¾ to 1-in. cts.	1-in. 1½-in. cts.	2-in. cts.	3-in. cts.
Carolina car., poplar	8	10	16	30
Soft maple, first-class . .	7	9	12	20
Elm, Amer'n, first-class .	10	14	20	30
Box Elder	12	14	18	
Catalpa Speciosa	12	14	20	
Five through trunk R. R. lines from Springfield, Ill. Free boxing for cash before shipment and at cost if payment by May 15. Certificate from entomologist on each shipment; ship quick. Spaulding N. & O. Co. (near Springfield), Spaulding, Ill.				

Shrubs—Hardy shrubs Ramblers, etc. Vaughan's Seed Store, Chicago and New York.

Shrubs—Shrubs, hardy plants, climbers, etc. Ellwanger & Barry, Rochester.

Shrubs—Hardy shrubs in leading varieties: Altheas, 10c; barberry, 10c; deutzia, 10c; Japan quince, 8c; spiraea and weigelia, 10c. W. H. Salter, Rochester, N. Y.

Shrubs—Ampelopsis Veitchi and a large assortment of shrubs. W. & T. Smith Co., Geneva, N. Y.

Shrubs, Etc.—First-class, a general line; here are some of our bargains:

	2 feet.	3 to 4 ft.
Spiraea Garland	500, 5c	600, 9c
Spiraea Billardii	500, 5c	700, 9c
Spiraea Van Houttei	600, 5c	1,000, 12c
Lilac, purple	400, 5c	400, 8c
Barberry, purple	600, 3c	700, 5c
Fringe, purple	450, 5c	400, 8c
Hydrangea, P. G.		800, 10c
Althea, asst'd		1,000, 7c
Yucca		400, 4c

Shrubs, 15 sorts, 2 ft., 6½c; shrubs, leading sorts, 3 to 4 ft., 8c.

Five through trunk R. R. lines from Springfield, Ill. Free boxing for cash before shipment, and at cost if payment by May 15. Certificate from entomologist on each shipment; ship quick.

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Asparagus—A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, \$1.15; 1,000 seeds, \$4. Southern greenhouse grown, 1,000 seeds, \$3; 5,000 seeds, \$12.50. A. plumosus robustus, 100 seeds, \$1; 1,000 seeds, \$9. Decumbens, 100 seeds, 50c; 1,000 seeds, \$4. Comorensis, 100 seeds, \$1; 1,000 seeds, \$7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

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Aster—Aster seed, best German grown, Queen of the Market, ¼ oz. 15c; oz. 50c; Victoria ¼ oz. 50c; oz. \$1.75; Giant Victoria ¼ oz. 60c; oz. \$2; Paeony fl. Perfection ¼ oz. 45c; oz. \$1.50; Semple branching home growth ¼ oz. 20c; oz. 60. Separate colors or mixed.

W. C. Beckert, Allegheny, Pa.

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Pots—Red standard; azalea pots.

The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots—Before buying, write for prices.

Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pot Hangers—Kramer's pot hangers. Fit all standard size pots from 2 to 10 inches in diameter. Price with wire chain, \$1 per doz. by express. Sample dozen by mail, \$1.25.

I. N. Kramer & Sons, Cedar Rapids, Ia.

Pots—Standard flower pots, carefully packed in crates.

Hiltinger Bros.' Pottery, Fort Edwards, N. Y.

Pots—Red pots. Sample pot and price list on application.

C. C. Pollworth Co., Milwaukee, Wis.

Pots—Red clay pots. Thin, light, porous. Sample orders receive prompt attention.

Syracuse Pottery Co., Syracuse, N. Y.

Pots—Standard flower pots. We can save you money.

W. H. Ernest, 28th and M Sts., Washington, D. C.

Pots—Standard flower pots.

The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots—Pots of all kinds.

A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots—100,000 flower pots at about half price, from 2 in. to 6 in. at greenhouses. Will exchange for cut flowers or blooming plants. Auction April 12, 10 a. m. sharp. Albert Fuchs, 2050 N. Halsted St., Chicago.

Printing—Regan Printing House; large runs of catalogues our specialty. Write for figures. Regan Printing House, 83-91 Plymouth Place, Chicago.

Ribbon—Ribbon specialists.

M. Rice & Co., 918 Filbert St., Philadelphia.

Sand—Silver sand, per bbl., 1 to 5, \$1.75; 5 bbls, \$1.50; 10 bbls, \$1.25; 20 bbls, \$1.12; 25 bbls, \$1. New Jersey Moss & Peat Co., Barnegat, N. J.

Seed Bags—For the trade. Full line in Manila, white, amber or colored laid papers. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Seed Cases—Heller's mice proof seed cases. Heller & Co., Montclair, N. J.

Shipping Boxes—Folding cut flower boxes. Holton & Hunkel Co., Milwaukee, Wis.

Shipping Boxes, Etc.—Cut flower boxes, waterproof, corner lock style. No charge for printing on orders above 250 boxes. Cash.

Livingston Seed Co., Columbus, Ohio.

Smilax—Wild smilax, 25, 35 and 50-lb. cases, Chicago market quotations. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Sphagnum Moss—Natural growth, bales, 5 bbls, \$2.25; 10 bbls, \$4.25; selected stock moss, bales, 5 bbls, \$2.60; bales, 10 bbls, \$5; also nursery stock moss. Green clump moss, per sack, 1 to 5, \$1.50; 5 sacks, \$1.25; 10 sacks, \$1.12; 20 sacks, \$1. Special offer on natural growth selected. New Jersey Moss & Peat Co., Barnegat, N. J.

Stakes—We can save you money on galvanized wire rose stakes and tying

Igoe Bros., 226 N. 9th St., Brooklyn, N. Y.

Supplies—Sphagnum moss, 60c per bbl., first quality; second quality, 30c per bbl. Thos. Collins, Hinsdale, Mass.

Supplies—Manufacturers and importers. M. Rice & Co., 918 Filbert St., Philadelphia, Pa.

Supplies—Importers, jobbers, manufacturers of florists' supplies; western leaders.

C. C. Pollworth Co., Milwaukee, Wis.

Supplies—Importers and manufacturers of florists' supplies. Write for our new catalogue F; our prices may interest you.

L. Baumann & Co., 76-78 Wabash Ave., Chicago.

Supplies—Easter novelties, crepe papers, baskets, pot covers and other lines; latest patterns and styles. H. Bayersdorfer & Co., 56 N. 4th St., Philadelphia.

Supplies—Makers of wire designs and florists' supplies. Cleveland Cut Flower Co., Cleveland, O.

Supplies—Prepared fan palm leaves, \$12.50 per 1,000; palm fiber, birch bark, corn bark, moss, artificial flowers, vines and leaves. All kinds of palms. Clare & Scharrath, 170 Madison St., Chicago.

Supports, Carnation—Model extension carnation supports.

Igoe Bros., 226 N. 9th St., Brooklyn.

Tobacco Stems—Fresh tobacco stems, \$1.50 per bale of 300 lbs.

W. C. Beckert, Allegheny, Pa.

Toothpicks, Wired—\$1.50 per 10,000, \$6.25 per 50,000. W. J. Cowee, Mfg., Berlin, N. Y.

Vases—Iron reservoir vases and lawn settees. Manufactured by McDonald Bros., Columbus, O.

Weeder—Brown's Easy Weeder, 35c each; 1/4 doz., \$1; dozen, \$3. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Wire Work—None made as good at our prices.

C. C. Pollworth Co., Milwaukee, Wis.

Wire Work—E. H. Hunt, 76-78 Wabash Ave., Chicago.

Wire Work—Best work, lowest prices. Located in Flower Growers' Market.

Howe & Taylor Mfg. Co., 60 Wabash Ave., Chicago.

Wire Work—Largest wire work makers in the west.

E. F. Winterson Co., 45-47-49 Wabash Ave., Chicago.

Boilers—The Pierson boiler for water or steam; a coal saver. Adapted to use any kind of fuel.

The Pierson-Sefton Co., West Side Ave., Jersey City, N. J.

Boilers—Boilers and boiler tubes.

Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Boilers—Get our prices.

Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Boilers—Hitchings New Mogul boilers for hot water or steam. Hot water radiation from 4,200 square feet and up. Steam radiation from 2,500 square feet and up. Horticultural architects and builders. Hitchings & Co., 233 Mercer St., New York.

Boilers—Boilers of high grade for greenhouses. Steam and hot water.

Giblin & Co., Utica, N. Y.

Boilers—Improved greenhouse boiler, made of best material, shell, firebox sheets and heads of steel, water space all around (front, sides and back).

Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers—"Entirely satisfactory." That's what prominent florists say of the celebrated Furman boilers. Particularly well adapted for greenhouse heating. Write for illustrated catalogue and special florists' prices.

The Herendeen Mfg. Co., Dept. Am., Geneva, N. Y.

Boilers—Send for prices and catalogues.

S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, N. Y.

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S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Boilers—Water tube steam boiler. King Construction Co., N. Tonawanda, New York.

Boilers—About "Burnham" boilers. Write today to our New York office for our greenhouse heating and ventilating catalogue. Lord & Burnham Co., St. James Bldg., 1133 Broadway. General office and works, Irvington-on-Hudson, N. Y.

Boilers—New and second hand; 2 second hand steam, \$35 each. Metropolitan Material Co., 1403 Metropolitan Ave., Brooklyn, N. Y.

Boilers—Crop insurance. Life insurance is valuable because it guarantees outcome. "Gurney" heaters, "Bright Idea," "Doric" and "400 Series" do the same for your hothouse; they guarantee the crop. Save 20 per cent on coal bill; produce an even heat; simple to operate; wear longer than others. Don't buy or exchange until you investigate. Gurney Heater Mfg. Co., 74 Franklin St., Boston, Mass.; 111 Fifth Ave., N. Y.

Building Material—Cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hot-bed sash and frames, ventilating apparatus, pipe, fittings and all supplies needed in new or reconstruction work. Illustrated catalogue sent postpaid. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material—Lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., Cor. Weed St. and Hawthorne, Chicago.

Building Material—Gulf cypress greenhouse material. Hot bed sash. We furnish everything for building. S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, N. Y.

Building Material—Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired.

The A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material—Every type of greenhouse manufactured, also all greenhouse fittings.

The Pierson-Sefton Co., West Side Ave., Jersey City, N. J.

Building Material—Greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. Our facilities increased; our grades invariably the best; our prices right. Write for catalogue and estimate when figuring on your new houses.

A. Dietsch Co., 615-21 Sheffield Ave., Chicago.

Building Material—Greenhouse material of any description. John C. Moninger Co., 412-22 Hawthorne Ave., Chicago.

Building Material—Our designs embody best features greenhouse construction; best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material—Material from World's Fair, hothouse sash, pipe, 100,000,000 feet of lumber, sash and doors. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago, or World's Fair Grounds, St. Louis.

Building Material—Lumber, pipe, plumbing supplies, sash, doors, etc.; anything in building line. Garden City Wrecking & Lumber Co., 47th and Loomis Sts., Chicago.

Building Material—Write for prices on Gulf cypress building material. Metropolitan Material Co., 1403 Metropolitan Ave., Brooklyn, N. Y.

Glass—Importers and jobbers; greenhouse glass a specialty. Window glass The James H. Rice Co., 80-82 Wabash Ave., 34-40 So. Water St., Chicago.

Glass—Window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass—French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York; 101 Portland St., Boston.

Glass—Roofing glass, etc. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Glass—Glass at wholesale. S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, N. Y.

Glass—Good brands, quick shipments, large stock; warehouse on railroad switch. Be sure and get our prices. Sharp, Partridge & Co., 22d St. and Union Place, Chicago.

Glass—Tank window glass. Hothouse glass a specialty. D. C. Cunningham Glass Co., Pittsburg, Pa.

Glass—New American, 50 sq. ft. to box; all standard dimensions. Metropolitan Material Co., 1403 Metropolitan Ave., Brooklyn, N. Y.

Glass—Thousands of feet of glass suitable for greenhouses and hot beds. Garden City Wrecking & Lumber Co., 47th and Loomis Sts., Chicago.

Glass—Plate and window glass. Greenhouse glass a specialty. Sprague-Smith Co., 205 Randolph St., Chicago.

Glazing Points—See the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid.

Henry A. Dreer, 714 Chestnut St., Philadelphia.

Greenhouse Construction—Eureka greenhouses the best and lowest in price. All houses erected at factory and shipped to purchasers with blue prints, photographs and plain directions so any person can put up.

Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Gutters—New duplex gutter, only drip proof gutter on the market.

E. Hippard, Youngstown, O.

Gutters—Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Send for catalogue. Geo. M. Garland, Des Plaines, Ill.

Gutters—Jennings improved iron gutter. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

Iron Fittings—Patent iron bench fittings and roof supports.

Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Iron Fittings, Etc.—Send for prices. Lockland Lumber Co., Lockland, O.

Oil, White Lead, Paint, Putty, Etc.—Metropolitan Material Co., 1398-1403 Metropolitan Ave., Brooklyn, N. Y.

Paint, Putty, Etc.—The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

Paint, Putty, Etc.—H. M. Hooker Co., 59 W. Randolph St., Chicago.

Pipe, Pipe Cutters, Etc.—Pipe, stocks and dies, pipe cutters. Stillson wrenches, pipe vises, hotbed sash, etc. Metropolitan Material Co., 1403 Metropolitan Ave., Brooklyn, N. Y.

Pipes, Iron Fittings, Etc.—Galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized turn buckles and wire. Fittings for purline and ridge supports.

Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipes and Iron Fittings—S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, New York.

Pumps—Rider-Ericsson, second hand, \$40 up. Metropolitan Material Co., 1403 Metropolitan Ave., Brooklyn, N. Y.

Pumping Engines—Two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, Ohio.

Steam Traps—Steam traps save coal. Return steam trap, used by up-to-date greenhouse men, returns condensed water from the heating coils in greenhouse. Have been in use over 30 years. Insures an even temperature.

Albany Steam Trap Co., Albany, N. Y.

Steam Traps—The Standard return steam trap has no equal for its simplicity of working.

E. Hippard, Youngstown, Ohio.

Steam Traps—Morehead traps insure free circulation in coils. Save fuel. American Blower Co., Detroit, Mich.

Ventilating Apparatus—Send for prices and catalogues. S. Jacobs & Sons, 1365-1373 Flushing Ave., Brooklyn, N. Y.

Ventilators—We furnish high grade ventilating apparatus, raising the sashes in greenhouses and other buildings.

Lord & Burnham Co., 1133 Broadway, N. Y. General office and works, Irvington-on-Hudson, N. Y.

Ventilators—The New Departure ventilating appliance, cheapest and best. If you doubt, try it and be convinced.

J. D. Carmody, Evansville, Ind.

Ventilating Apparatus—Send for circulars.

Diller, Caskey & Co., Cor. 6th and Berk Sts., Philadelphia.

Ventilators—Evans' Improved Challenge ventilating apparatus.

Quaker City Machine Works, Richmond, Ind.

Ventilators—The Standard ventilating machinery; original machine with self-rolling cups; most powerful, least complicated, very compact.

E. Hippard, Youngstown, O.

Ventilators—Foley ventilating apparatus. Foley Mfg. Co., 471 W. 22d St., Chicago.

Ventilators—Hand ventilators, etc. The King Construction Co., N. Tonawanda, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

HEDGES, WINDBREAKS, ETC. (Powell).

—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

HANDY MANUAL (J. W. Johnson).—A new work, fully illustrated with plans, etc., on greenhouse heating and ventilating, by a practical steam and hot water heating engineer of long experience. Replete with valuable information. 125 pages. \$1.00.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view of informing the reader rather than decorating the book. 50 cents.

American Florist Co.,

324 Dearborn Street,

CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I am about to build one house, 24x150 feet, to be used for Bride and Bridesmaid roses. The side walls will be four feet and three inches high, two feet of glass, the balance wood, even span roof. I wish to use horizontal steam tubular boiler. How many feed and return pipes and what size boiler will I need? H. H.

A house such as described can be heated with a 20 horse-power boiler, but if other houses are to be added in the near future it will be better to put in one of at least 40 horse-power at first. The number and arrangement of the heating pipes will depend a good deal upon whether beds or benches are used. In the former case the pipes should be on the walls and two 2-inch flows and ten 1¼-inch returns will be needed. A similar arrangement can be used with benches but on some accounts it will be better to put in one 2½-inch flow and eleven 1¼-inch returns. With this plan a portion of the returns can be on the side walls and the others under the benches. L. R. T.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I have two houses 20 x 100 feet fitted up as follows: One 3-inch flow pipe rising from the boiler to within three feet of the ridge where I have a pop safety valve (15 pounds pressure), also an air cushion chamber. From that point a 3-inch pipe runs horizontally with a fall of ten inches to the far east end of each house, where each supplies four coils made of three 1½-inch pipes under the benches. From here the coils run horizontally back to the boiler with a fall of one foot to the length of the house. I enclose diagram illustrating the system of heating. I have a hard time to get the coils nearest the boiler hot. The system is filled each day. Do you think we carry too much water, or would you advise raising the coils to give more fall, or would it be advisable to put a different valve on, set at 20 or 25 pounds pressure? SUBSCRIBER.

There is nothing in the description and diagram that shows the cause of the trouble. If the coils have an even slope so that they contain no air-pockets the system should circulate evenly. Beyond this a fall in the returns is not desirable, but it will be well to have them as high as possible. Raising the coils will therefore be helpful, as will increasing the pressure. Of course it is also possible that the boiler is too small.

L. R. TAFT.

Nashville, Tenn.

That there is an ever increasing and growing demand for flowers in this city is proven by the fact that all growers of cut flowers and florists are flourishing and annually make additions to their capacity. There are only three up-town floral stores but the sale and supply is by no means confined to what passes over these counters, for those who are adjacent to the city and on car lines find a ready sale for all their products at the greenhouses and are saved the expense of running a city store. Many of these growers come into the city market and on any fine morning particularly Saturday, there is an

abundant supply and fine display in the market house. Among those who come into the market in this way are the Mount Olivet cemetery growers, Haury Brothers, Arnold Schmidt, and numerous smaller growers who have pot flowers to sell. An enormous quantity of plants are sold by these parties, some of whom handle cut flowers, roses, carnations, violets and bulbous stock which is sold in quantities. M. D.

Minneapolis, Minn.

Everyone is looking forward to Easter, and contemplating whether their stock will be in prime condition for the day. The weather conditions have been such as to worry the grower in the forcing of stock. From the outlook the supply of Harrisii and blooming plants, etc., will be in quantities to meet all demands. The Minneapolis Floral Company has its main range filled with Harrisii and they are looking their best, and John Monson, proprietor, reports the greater part sold. Wm. Donaldson & Company, E. Nagel & Company, the East Side Floral Company, Hilliker and H. Barsch, all have a nice lot of blooming stock.

NOTES.

Henry Buckendorf's greenhouses were entered by burglars and a number of fine azaleas were taken, but so far no clew has been found to locate the intruders.

G. H. Glennie has opened a store at 14 Washington avenue N., under the name of the Imperial Floral Store. Mr. Glennie was formerly with August Swanson.

The New York Florists have had a large display of cut carnations in their show window.

Rice Brothers are receiving some large consignments of Narcissus poeticus. C. F. R.

Columbus, O.

The Columbus Florists' Club met last Tuesday with a good attendance. A discussion revealed the fact that bulbous stock will not be as scarce for Easter as had been anticipated.

The club is trying to stir up enthusiasm among school children and has put up nearly 20,000 penny packages of seed which were quickly taken up by the children. While it required a great deal of work on the part of the club's members it was cheerfully done and they feel that they have been more than repaid by the enthusiasm displayed among the school children.

James McKellar, formerly with the Livingston Seed Company, is now with Graff Brothers. The latter will enlarge their store and expect to do the largest Easter business in the history of the concern.

John Williams, formerly with Sherman Stephens is putting up a block of houses in the East End where he will be ready to take care of retail trade in a short time. His many friends wish him best of success. CARL.

Oceanic, N. J.

SOCIETY MEETING.

A meeting of the Monmouth County Horticultural Society was held Friday, April 7, at Oceanic, N. J., with Presi-

dent G. H. Hale in the chair. An article by C. W. Schneider, of Little Silver, contained in a local paper, about "What to Plant in your Garden," was read and discussed.

The society decided to have a rose, sweet pea and strawberry show on June 16. At the meeting of that date N. Butterbach will read a paper on "Hybrid Teas and Tea Roses for Bedding Purposes." George H. Hale, exhibited some very fine amaryllis Empress of India and two other hybrids, which received 90 points; also some Euphorbia jaquiniaeflora scoring 80 points. Mr. Brunton, gardener for Mr. Hess, showed some finely colored Prosperities, scoring 90 points, and his Enchantress scored 80. Judges of the evening were, W. W. Kennedy, J. A. Kennedy, and Wm. Turner.

The prizes for the essays on "Rose Culture under Glass" were presented to the winners. H. A. Kettel surprised the winner of the first prize, Charles Wengerter, with a beautiful silver cup; and N. Butterbach presented the winner of the second prize, Joseph G. P. Kennedy, with a silver shaving cup and brush. The prize winners expressed their gratitude for the beautiful prizes. B.

Orange, N. J.

The regular monthly meeting of the New Jersey Horticultural Society was held on April 7 at their rooms in Orange. There was the usual floral display and William Read, head gardener to the Colgates, read a paper on "Herbaceous Perennials for the Open Border," which impressed his hearers so favorably that it was decided to publish in the yearly transactions of the society and a copy was requested of the author and afterwards given to the essay committee with power. Two new members were added and M. J. McKernan, secretary of the Elks was made an honorary member in recognition of services. Notice was made of the retirement of John Farrell from active service, for thirty years gardener for William Barr of Llewellyn Park. Mr. Farrell has been a gardener for fifty years and an honorary member of the society. During this term he has received between seventy and eighty first class certificates, besides numerous other testimonials. Arthur H. Bodwell succeeds him. J. B. D.

Cincinnati.

Julius Baer is now located in his new quarters and one will have to go a long distance to find a neater store.

Park Superintendent Critchell thinks there is a good opening about this city for anybody that wants to grow hardy herbaceous stock.

There is a movement on foot to give a big flower show in this city next fall, and J. W. Rodgers and Clarence Ohmer are behind it and are receiving encouragement from some of our foremost growers. A. O.

MANHASSET, L. I.—Mrs. Payne Whitney will have, perhaps, the most elaborate rose gardens of any estate on Long Island. Last year 10,000 roses were imported from Europe for this place alone. The plans were originated by Mrs. Whitney personally.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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TWENTIETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. C. VAUGHAN, Chicago, president;
J. R. FREEMAN, Washington, D. C., vice-president;
WM. J. STEWART, II Hamilton Place, Room 11, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-first annual meeting at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Boston, 1906. PETER FISHER, Ellis, Mass., president;
ALBERT M. HERR, Lancaster, Pa., secretary.

AMERICAN PEONY SOCIETY.

Exhibition at Chicago about June 15. C. W. WARD, Queens, N. Y., president; ARTHUR H. FEWES, Newton Highlands, Mass., secretary.
J. B. DEAMUD, 51 Wabash Avenue, Chicago, exhibition manager.

Garden Making Time.

When the gold is on the willow and the maple huds are red,
When your feet have grown so heavy that you fear they're made of lead,
When the fever's in your system and you're lazy as the deuce,
And your ever ready answer is a muffled "What's the use?"
Then it's time to hang the kettle and prepare for making soap,
Just beside the ash filled hopper on the orchard's sunny slope;
Then the season's full of trouble in this semi-southern clime,
For it brings that awful something known as "garden makin' time."

Fallow ground with clods to crumble, paper bags of onion sets,
Rake and hoe and soil stained garments and a soul that sorely frets
At the prospect of exertion even of the mildest kind,
And your humping over makes you sort o' dizzy like and blind.
Beets and radishes and lettuce, peas and seven breeds of bean,
Poppies, marigolds and larkspurs for the walks and in between.
These the things inseparable from the days that reek with rhyme.
These the tragedies that trouble us in "garden makin' time."

—Baltimore American.

CHRYSANTHEMUMS

Chrysanthemum Society of America.

SCALES FOR JUDGING.

The following is the scale of points for the judging of the several classes of exhibits adopted by the society at the last annual convention at Boston. The scale for pot plants remains the same as last year, the only alterations being in the classes governing specimen blooms for commercial and exhibition purposes:

SCALE A.—Scale of points for bush plants and standards, single specimens or any number up to six, in an exhibition where the class under consideration does not form the chief feature in the exhibition hall.	
Equality of size and form of plant..	40
Excellence of bloom.....	35
Foliage	25
	100

SCALE B.—Scale of points for bush plants; exhibits of more than six or for any number of specimen plants in an exhibition where the class under consideration forms the chief feature in the exhibition hall.

Excellence of bloom.....	40
Equality of size and form of plants..	35
Foliage	25
	100

SCALE C.—Scale of points for plants grown to single stem and one bloom.

Excellence of bloom.....	40
Compact and sturdy growth.....	35
Foliage	25
	100

SCALES D and E on specimen blooms for commercial and exhibition purposes, respectively:

COMMERCIAL.	EXHIBITION.
Color	20
Stem	15
Foliage	15
Fullness	10
Form	15
Substance	15
Size	10
	100

FRED H. LEMON, Sec'y.

Propagating Chrysanthemums.

The cuttings of the early and mid-season chrysanthemums for general commercial purposes should now be put into the propagating bed. By giving this part of the work attention at once, one can have thrifty stock for planting into the permanent quarters in June. The propagating bed should be partially shaded and the cuttings kept from wilting by frequent sprayings. Very little artificial heat is necessary to root the

cuttings from now on. The principal considerations are the use of fresh, clean sand and keeping it moist.

When figuring up requirements of this class of stock, the main object to bear in mind is to select such varieties as will keep well, stand considerable handling without damage and develop in good form and color. Although the varieties possessing these characteristics should form the main part of the planting, it does not mean that the entire stock should be confined to varieties coming strictly within these terms, especially so when the grower disposes of his product at retail. Anyone so situated should broaden out his collection and add some of the large exhibition varieties, with a few kinds of peculiar form and odd color, basing his calculations on the fact that all tastes are not measured by the theoretical outlines or commercial value of a chrysanthemum as laid down by professional florists.

Coming strictly within the commercial term the following is a good selection:

Early: White—Lady Fitzwygram, Polly Rose, Alice Byron, White Coombes, Mrs. H. W. Buckbee. Pink—Glory of Pacific, Amoria, Mrs. Coombes. Yellow—Omega, Yellow Fitzwygram, Monrovia, C. J. Salter.

Midseason: White—Mrs. Henry Robinson, Timothy Eaton, Mrs. Jerome Jones, Mrs. Nathan Smith. Pink—Vivian Morel, A. J. Balfour, Wm. Duckham, Leila Filkins, Dr. Enguehard. Yellow—Major Bonnaffon, Col. D. Appleton, Sunburst, Yellow Eaton. Other colors: Brutus, S. T. Wright, Donald McLeod.

It is a little early yet to propagate the young plants of the late flowering varieties, but the stock plants should receive attention and be encouraged to make strong, healthy shoots for cuttings in about a month's time, and for late work I would select the following as the most profitable:

Late varieties: White—W. H. Chadwick, Yanoma. Yellow—Yellow Chadwick, H. W. Buckbee. Golden Wedding. Pink—Maud Dean, John Burton.

To add a few varieties not usually grown commercially, except for high class trade, try some of the extra large exhibition varieties such as Mrs. Thirkell, F. S. Vallis, Mrs. W. Duckham, in yellow; W. A. Etherington, F. A. Cobbold, Lily Mountford, in pink; Ben Wells, Emily Mileham, Nellie Pockett, in white; Gen. Hutton, Harrison Dick, Mildred Ware, in light bronze; and Henry Barnes, Mrs. T. Longley, W. R. Church, in other colors. These varieties are wonders as regards size, but

they need closer attention to keep the growth within bounds than that which is generally bestowed on commercial varieties. They will repay any extra care given them, however, and at places away from the centers where chrysanthemum shows are held they cannot fail to be a great attraction.

The early propagated plants, being grown for exhibition cut flowers, should be pushed along as they require it. Do not let them become root-bound before potting them on, because they are bound to receive a check from this, and they need every encouragement to be in good shape for planting in the beds next month or early in June.

C. W. JOHNSON.

The Lewis and Clark Exposition.

The landscaping of the exposition is in a state of progress that calls for congratulation. Long ago the Lakeview terrace was completed and already the gentle Oregon rains of the early spring have caused the grass to grow so long on the pretty slopes that the lawn mower has been brought into use. Flowers and shrubbery are being planted along the terrace and elsewhere on the grounds. The sunken gardens in Columbia court are ready for the final dressing up, much of the shrubbery already having been set out. Most of the statuary about the grounds has been placed upon the pedestals and gleams gloriously in the Oregon sunshine.

It will require but two or three weeks for the final shaping up of the grounds. This, naturally, must be left to the last. When the heavy wagons and the railroad trains have finished their work of hauling the building material and the exhibits to the various points of the site, the roadways and the plazas will be smoothed off and solidified, the grass plats and flower beds shaped, and when the exposition opens on that rare day in June so eagerly awaited by the public, the grounds will present an aspect of completeness and polish such as cannot help but delight the beholder.

Thousands of electric light bulbs have been strung amongst the trees and shrubbery of Centennial park, the part of the exposition site which God finished many years ago. In this park there are trees that tower nearly 200 feet into the air, and at the very top of one of these perfectly erect giants of the wild woods the branches have been stripped off for a few feet and the American flag floats in the breeze, the tree-top being used as a flagstaff.

Annuals for Garden Making.

Who has made a garden composed entirely of annuals? Each summer we see this class of plants filling such an increasing number of important positions in gardens, parks and cemeteries, that their utility is now well impressed on the average mind. We are anxious, however, to tell of our home garden, where some forty varieties of annuals, including the rapid growing climbers, were entirely depended on, and as the scheme has been so satisfactory a continuation of the practice will be followed. By consulting the accompanying plan it will be seen the boundary of the garden consists of an evergreen hedge a most desirable background for many annuals. Two years ago when converting this little home garden into lawn it was necessary that some form of emergency planting be adopted and



The Late Wm. Paul.

(See page 605.)

yet conform to some general design in the adornment of the place. We knew a number of annuals that would flower for a long period and many that were suitable for cut flowers, and so without any particular effort in selection it was a success from the start.

ARRANGING THE GARDEN.

In Prof. Waugh's book on landscape gardening are suggested many plans for

garden making, and the style of grouping garden plants recommended therein seemed particularly applicable in this instance. It will be seen that each variety is grouped with the taller varieties forming the background.

EXPLANATION OF PLAN.

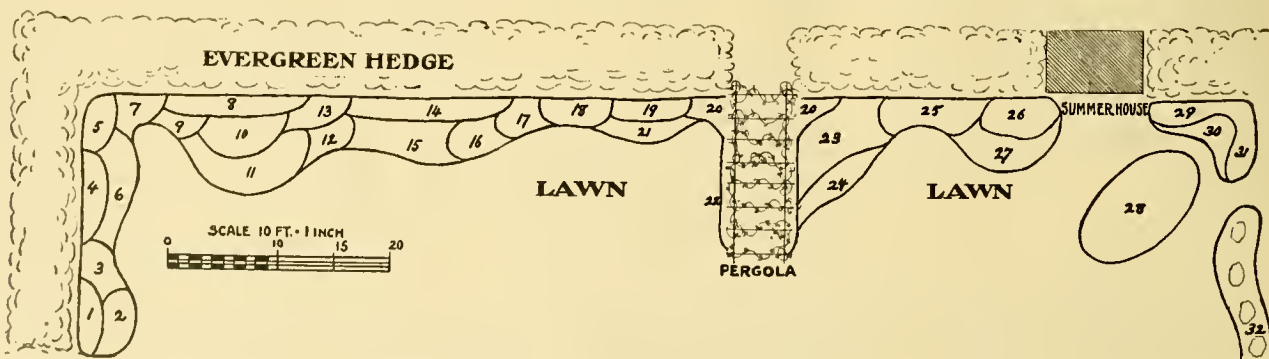
- 1 Calliopsis.
- 2 Mirabilis, dwarf.
- 3 Nicotiana sylvestris.
- 4 Sunflowers.
- 5 Ricinus.
- 6 Salpiglossis.
- 7 Salvia farinacea.
- 8 Salvia coccinea.
- 9 Salvia Horminum.
- 10 Stocks, Princess Alice.
- 11 Phlox Drummondii.
- 12 Sweet alyssum.
- 13 Salvia farinacea alba.
- 14 Ciesome pungen.
- 15 Petunias.
- 16 Periwinkle, Madagascar.
- 17 Snapdragon.
- 18 Centaurea Cyanus.
- 19 Salvia azurea grandiflora.
- 20 Marigolds, African.
- 21 Verbenas.
- 22 Phlox Drummondii.
- 23 Salvia patens and S. azurea.
- 24 Mignonette.
- 25 Marigolds, African and French.
- 26 Zinnias.
- 27 Asters.
- 28 Calendulas.
- 29 Helianthus cucumerifolius.
- 30 Salpiglossis.
- 31 Centaurea imperialis.
- 32 Sweet peas.

The pergola afforded a good opportunity for training Japanese morning glory, cobæas, dolichos, nasturtiums, etc., as did the play house in the hedge row. A necessary precaution is planting the individual plants a sufficient distance apart. The gardener and florist must depend in this respect on his acquaintance with the habit and growth of the varieties he uses.

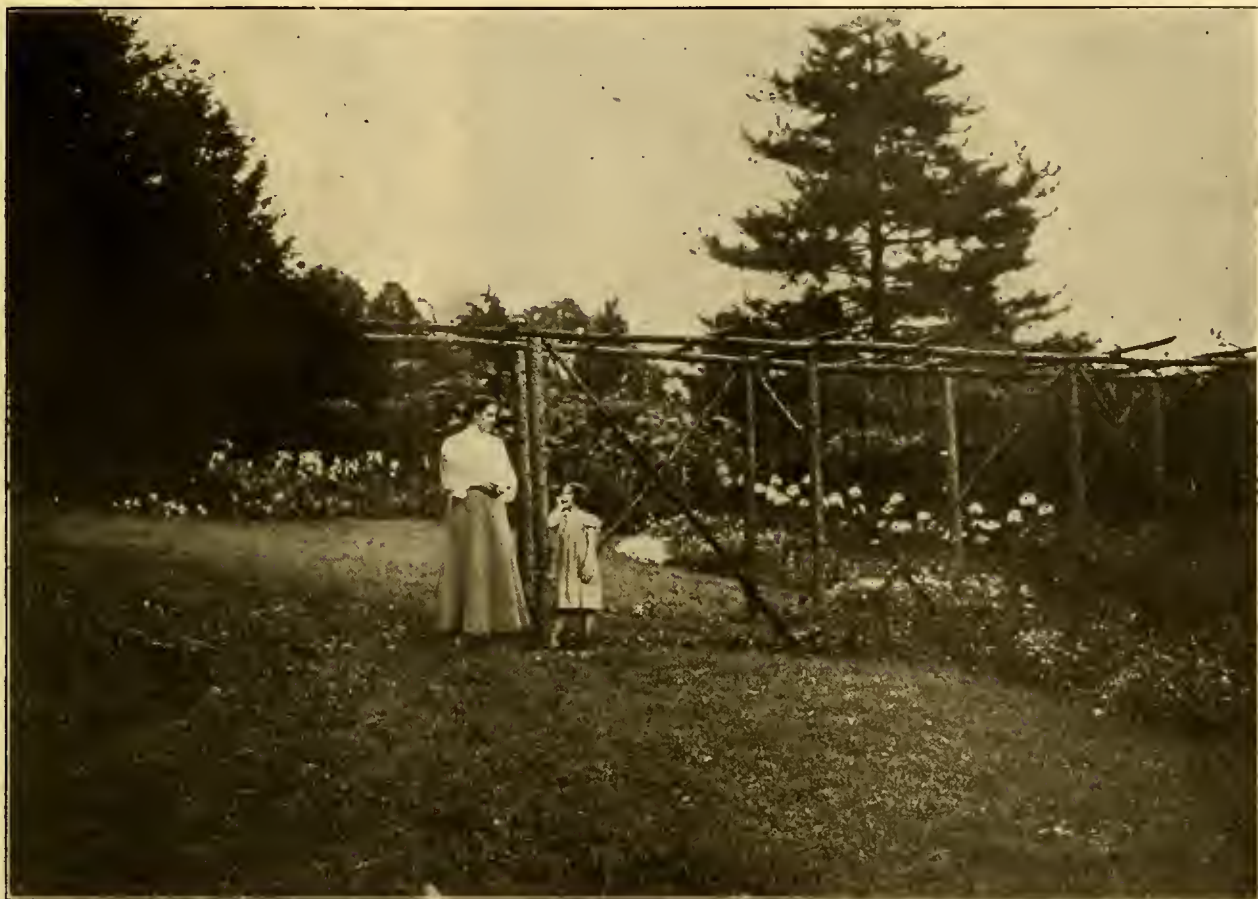
It can be imagined what a good showing this garden would make when in full bloom; the plan is simple and the outline and material used could be varied to one's taste. The accompanying illustrations showing a few groups from this garden will prove interesting.

SGWING ANNUALS.

It is more satisfactory to have strong plants at planting out time than sowing directly in the garden and thinning out afterwards. The aim should be as far as possible to have strong plants in flats for the purpose. It is customary for gardeners and florists to sow annuals in March, transplant to flats and harden them off for planting time. However, it is entirely practicable to sow in April in cold frames when by encouraging their growth at the earlier stage, good and satisfactory plants can be obtained. Upon transplanting them to the garden a dull or showery day should be chosen. Some of the more tender annuals should



PLANTING PLAN FOR ANNUAL GARDEN.



VIEW IN THE ANNUAL GARDEN.

(The pergola just planted, the other plants growing rapidly.)

be sown in the greenhouse, but for the most part the plants herein mentioned can be grown as above.

The subsequent care of the garden consists of hoeing around the plants occasionally, and as the beds fill up, a general cleaning up of all weeds and past flowers every two weeks will be all that is needed. During the fall months such a garden is particularly effective.

ANNUALS IN OTHER SITUATIONS.

As supplementing the herbaceous and shrubby borders in gardens and parks, annuals are effectively used and many of the prominent beds in such places are composed of annuals. From a florist's standpoint such varieties as verbenas, asters, salvias, cosmos, etc., are in many instances grown in large quantities and the local florist finds it necessary to still further extend the list.

As instances of the individual value of some annuals, our notes record the use to which *Nicotiana glauca* was put in Forest Hills cemetery, Boston, Mass., last summer in a large triangular bed near the entrance, its bold foliage surmounted by immense spikes of pendulous white flowers proving very effective.

Cleome punicea is frequently seen in shrubby plantations around railroad stations, resowing itself each year and looking particularly striking on dull days and in the evening. The flowers are not at their best on bright sunny days.

Salvia farinacea is a good annual for any situation, its abundant spikes of

lavender colored flowers, combined with bright clean foliage, being highly attractive.

It would seem no well-regulated garden would be complete without the salpiglossis, individual beds of which are always good.

One might greatly extend the list of annuals, each of which would seem indispensable.

FRANCIS CANNING.

The Late Frank H. Beard.

MEMORIAL ADDRESS AND RESOLUTIONS.

[Address delivered by J. F. Sullivan at the Fort street Congregational Church, Detroit, Mich., April 9, 1905.]

It was most appropriate that you, his co-church workers and believers, should suspend for a time your ordinary functions and set apart an hour to pay tribute to the memory of one who will be missed in business circles, in the every day walks of life, and last, though not least, in the homes and hearts of kindred and friends, where his name will be forever a cherished memory. But it is not my purpose to speak of Mr. Beard as a private citizen, in which capacity many of you knew him longer and better, and no words of mine can possibly enhance your estimate of his character, or make more secure the memory of his private virtues.

I shall tell you rather as I knew him in business life. As a florist it has been my privilege to meet and transact business with him for a period of fifteen years, during which time our relations

were of the most cordial character, ripening into a personal friendship, the memory of which will be as enduring as life itself. It was through this association that I came to know him intimately and learned to appreciate those qualities of head and heart which so endeared him to his business colleagues and made him such a prominent factor in the florists' trade of this city.

In early life he was by circumstances given an opportunity to exercise his own tact in business transactions, and his success in marketing the product of the gardens and greenhouses of the Beard establishment would have been a credit to a much older man. His business acumen was thus readily perceived and his father and brothers soon learned to have entire confidence in his management of affairs financial, and entrusted it all to him. He was ever mindful of his own business obligations and prompt in liquidating them, and contrary to the general rule of men of that type, he was not as exacting of others in their obligations to him but most frequently allowed his generous heart to extend liberal and indeed extraordinary leniency to his own debtors, often suffering pecuniary loss by his kindly actions.

Any one knowing the busy life of a florist, a vocation which carries with it most incessant vigilance and toil, would be amazed at the interest and familiarity he had in affairs bearing upon the real interest of the community in which he lived. His manners were easy, prepossessing and unaffected, his gen-



CLEOME PUNGENS IN THE ANNUAL GARDEN.

erosity, his thoughtfulness, his wide charity for the faults and feelings of others, his abounding hospitality, all made of his life a sweet song, the notes of which are still vibrating.

There was a warmth and directness in what he said and did that won and held the esteem and affection of those with whom he came in contact. As a business man he was honest, industrious, sincere and loyal. If any trait in his business inclinations was more pronounced than another, it was his earnest desire and constant practice through life, to never take an undue advantage of any man. A man receiving and deserving the respect of all classes, he so lived during the time allotted him by God, that when, in a moment, he was called to join the majority, he left behind him nothing but praise, and had before him the certainty of reward.

Mr. Beard was a charter member of the Detroit Florists' Club, and was always a hard and enthusiastic worker in its ranks. He was punctual in attendance of the meetings and always took an active part in its deliberations. By his extreme modesty alone he was never an officer of the club, but accepted the chairmanship of the most important committees, and in that capacity his work was most thorough and satisfactory.

Lest it be thought that these words of eulogy are inspired by an inordinate admiration born of personal friendship for Frank Beard, I beg to bring to you in confirmation of all I have said, the tribute of the Detroit Florists' Club itself, in the passage of resolutions expressive of its profound sorrow at the death of Mr. Beard.

DETROIT FLORISTS' CLUB RESOLUTIONS.

WHEREAS, God in His providence has removed from our membership Frank H. Beard, therefore be it

Resolved, That in the death of Mr. Beard the club has lost one of its most honored and beloved members, one who has always been one of its most active and enthusiastic workers. His genial and loving disposition made him ever a most welcome personage in our midst, and his wise counsel was sought and heeded in matters affecting the club's interest. His sudden and untimely end has caused the most profound sorrow in our society, in which he was so highly esteemed, and we hereby extend to his family, in their bereavement, the most sincere sympathy of the club.

Resolved, That these resolutions be spread upon the records of the society, and a copy of the same be engrossed, and sent to the bereaved family of the deceased.

I wish to say in conclusion that Frank H. Beard was always under any and all circumstances the generous hearted christian gentleman. I could not say more of anyone.

Illinois Florists' Bill Killed.

The hostility of country members, who represent farming interests and are loath to see commercial florists extended such aid as the agriculturists receive from the state experiment station, has killed the florists' appropriation bill in the legislature just when it seemed assured of passage in the house. The treatment of this bill by the house appropriations committee has had few precedents in legislative annals. One day, after P. J. Foley, James Hartshorne and L. Coatsworth made convincing arguments in favor of the bill, it was voted out by the committee with the recommendation that it pass, the amount appropriated being cut down to \$15,000 from the \$30,000 named orig-

inally. The next day, when the Chicago florists had gone home, Representative Isaac Craig of Mattoon, moved to reconsider the vote by which the bill was reported out.

The motion carried and Mr. Craig then asked that the bill be reported out with the recommendation that it do not pass, a move which would kill it beyond recall. Cicero J. Lindly and Edward Smejkl fought to prevent this, Mr. Lindly offering amendments which cut the amount appropriated first down to \$10,000 and then down to \$5,000. But it was the evident intention of a majority of the committee to kill the bill absolutely. Mr. Lindly's amendments were voted down and the motion to kill the bill carried. Such great hostility was shown toward the measure in this final vote that it is considered impossible to resurrect it.

Chairman Trautmann of the appropriation committee explained the committee's action as being due to the protests of country members against an appropriation which would be of aid to a class of "farmers," as Mr. Foley said florists were, that operated only in cities. The influence of the farmers is stronger than any other influence which guides legislation at Springfield, and if the florists would combat it they must have the members who come from cities united in backing their demand for recognition. When it came to a fight there were very few members willing to take up the issue for the florists. The youth of the Illinois State Florists' Association, an organization of which the legislators had never heard before they read of it in the florists' bill, had much to do with the measure's failure. If this association makes its strength felt between now and the next assembly a request for legislation made by it will receive more consideration.

Hardy Herbaceous Perennials.

Hardy herbaceous perennials are in themselves a class so numerous, and embrace so many species and varieties of such beauty, that it is little wonder of late years that a greatly increased interest is shown in them. These plants were quite popular long ago, but somehow it seemed that for a period they



NICOTIANA SYLVESTRIS IN THE ANNUAL GARDEN.

were almost forgotten. There are several reasons why this temporary neglect has given place to renewed interest, but the principal one perhaps is a lack of devotion to the formal or stiff style

of the soil before they are planted much more thoroughness and care is necessary because of their intended permanency than would be required for plants that would occupy the ground for at

is the herbaceous border, in the planting of which great care is exercised in selecting species and varieties which for their habits of growth and season of blooming give assurance of uniform appearance (when this is desired) and permanent effect. There are many gardens where this form is carried out extensively.

At least one more purpose for the planting in greater quantities of herbaceous plants and one that appeals fully as strongly to those interested as any mentioned heretofore, namely, for cut flowers exclusively by florists who see in them something that can be made profitable and more lastingly so than any other class of plants grown in the open ground.

I said the last purpose mentioned might suffice, but I am tempted to state still another reason why at least the distribution and planting of hardy perennials should be encouraged, and that is the desirability of increasing the knowledge and love of plants in the young people of our day, and such knowledge cannot be increased more rapidly than by planting hardy perennials wherever possible and having every plant named not only by its botanical name but when possible its common name also.

Planting for this purpose should especially be done by municipalities in the public parks and on the borders of public playgrounds. A little money spent for this object would yield a hundred-fold, not perhaps in dollars and cents, but in what is immeasurably greater in value, a love for nature.

DAVID MCINTOSH.

Nassau County Horticultural Society.

The regular monthly meeting of this society was held at the Glen Cove Greenhouses, Glen Cove, N. Y., April 5. The attendance was not particularly large, owing probably to the rainy weather and the rush attending spring work. Exhibits were numerous, nearly every member contributing something.



AT H. H. BATTLES' NEWTOWN SQUARE, PA.

(A field of irises.)

of planting that held sway for a good many years. This does not necessarily mean that the species of plants used in this style suffered in consequence, but it does mean that the more natural style of planting and landscape gardening require the use of plants found only among the hardy perennials.

Another though perhaps a less potent reason for the increased demand for hardy plants is that thousands of people who have neither the means nor the scope to indulge in any style of gardening but love plants and flowers, are gradually coming to the conclusion that there is much enjoyment to be obtained by planting hardy perennials, and watching and caring for them from the time they break the ground in the spring until they go to rest in winter.

These plants are so varied as to afford a great variety of bloom through spring, summer and fall. Thus in spring we have the trollius, trilliums, creeping phloxes, anemones, lupines, spiræas, peonies, and many others. Later the number is greater still, among them being campanulas, poppies, delphiniums, irises, aquilegias, dianthus, rudbeckias, foxgloves, heliopsis, lilies, helianthus, asters, boltonia, heleniums, funkias, veronicas, chrysanthemums, Anemone Japonica, goldenrods, etc.

Just as varied as these plants are in their season of flowering are their powers of adaptability to almost any situation, sunny or shady. While it is true as has been already said that the masses are beginning to realize the beauties and usefulness of hardy perennials, it is to the wealthy they bring the greater attractions by reason of the fact that they are enabled to procure them in greater quantity and variety, thereby having relatively a more continuous and interesting display.

Although when once planted herbaceous perennials do not require a great deal of attention, yet in the preparation

most only six months. For this reason, the soil ought to be deeply dug and liberally manured for most species, besides making sure that the ground is thoroughly drained.

After these preparations have been attended to and the planting done many of the taller growing species will need support in the shape of stakes, because in the case of delphiniums and many others of tall growth, the plants are not able to stand up unaided, and staking can be done without being in the least objectionable.

The most elaborate form of plantation



DELPHINIUM BELLADONNA AT DREER'S NURSERIES, PHILADELPHIA, PA.

(A summer view in the herbaceous grounds.)



PAN OF CROCUSES.

(As grown for Easter by Geo. Asmus at the Schiller establishment, Chicago.)

The relating of experiences in the production of the various exhibits brought out many interesting and valuable cultural hints, which should bear fruit eventually.

A charming vase of that grand red carnation, Robert Craig, from the Cottage Gardens, Queens, L. I., graced the exhibition table. Special mention was made of a new seedling white carnation raised by Felix Mense, of Glen Cove Greenhouses. Mr. Mense has named it Dosoris, and judging from his stock, it evidently shows itself to be a profuse bloomer and of robust constitution. The flowers are full, well built and apparently non-bursting. Another new seedling carnation, dark pink, was exhibited by Mr. Myers, superintendent to G. R. Sheldon. The flowers were large, full, with fringed petals. A plant of *Cineraria stellata* grown by A. McKenzie, superintendent to Percy Chubb, attracted great attention. The plant measured four feet in diameter and carried an enormous wealth of flowers. The same gentleman also exhibited an interesting dish of *Gradus* peas which had been grown under glass. The seed was sown about December 20 and pods were ready for picking the first week in March. It may be mentioned that these peas proved very appetizing to the members present. A standard gardenia showing marks of high culture was exhibited by T. Harrison, superintendent to E. R. Ladew. It was decided until further notice to hold the meetings in the evening.

JOHN F. JOHNSTON.

BALTIMORE, MD.—A new conservatory is soon to be built in Patterson park, 25 x 150 feet in size. The building will be erected by Lord & Burnham Company and will be the finest south of New York when completed.

TORONTO, ONT.—A deputation representing the Horticultural Society, the Gardeners' and Florists' Association and the Electoral District Society have asked that the \$1,500 grant to the Provincial Fruit, Flower and Honey Show be expended in Toronto. It is probable that their request will be granted.

MARKET GARDENS.

FULTON, ILL.—Morrison men are building an \$8,000 greenhouse establishment here for the culture of vegetables.

CALIFORNIA CELERY growers are caring most if their celery looks and ships in good order, making quality a secondary matter.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 15 were as follows: New York, cucumbers, No. 1, 75 cents to \$1 per dozen; culls, \$2 to \$3 per case; lettuce, 25 cents to 75 cents per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, \$2 to \$3.50 per 100; tomatoes, 10 cents to 30 cents per pound; rhubarb, \$2 to \$4 per 100 bunches. Buffalo, cucumbers, \$1 to

\$1.50 per dozen. Cleveland, mushrooms 45 cents to 50 cents per pound. Minneapolis, cucumbers, \$1.75 per dozen. Detroit, cucumbers, \$1.50 to \$1.75 per dozen; lettuce, 12 cents to 13 cents per pound. Cincinnati, cucumbers, \$1.25 to \$1.50 per dozen. Kansas City, mushrooms, 45 cents per pound.

Trouble with Snails.

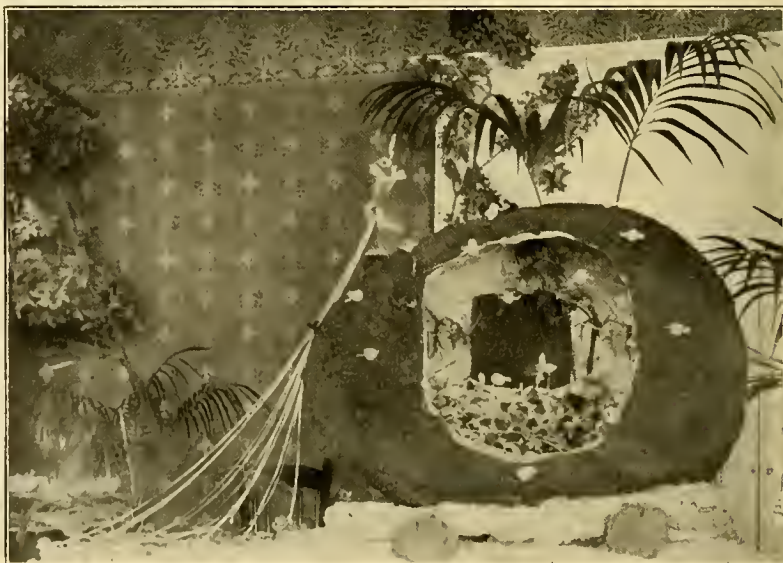
ED. AMERICAN FLORIST:—

In your issue of April 1, "J. P. H." asks how to rid his houses of snails. We have noted the various remedies given in the same issue, but wish to state that we have used pulverized lime for the past six or seven years and find that it will kill all snails at once. Keep pet toads or frogs away from it, however, as it is certain to make them quit the place. Scatter the lime under the benches, and if "J. P. H." grows cut flowers, such as roses and carnations, the lime can be put right on the beds and will be of great benefit to the stock. Do not be afraid to put on the lime, especially on carnation beds. We sprinkle it broadcast over plants and spray the plants next day, when it will all wash off. Flowers and buds, however, should not be touched with the lime, as it will take out the color. Do not apply it so thick as to form a crust on the soil, the entire surface of which should be freely stirred a few days after the application. We have found that the foregoing treatment will effectually rid a place of snails in one or two thorough applications.

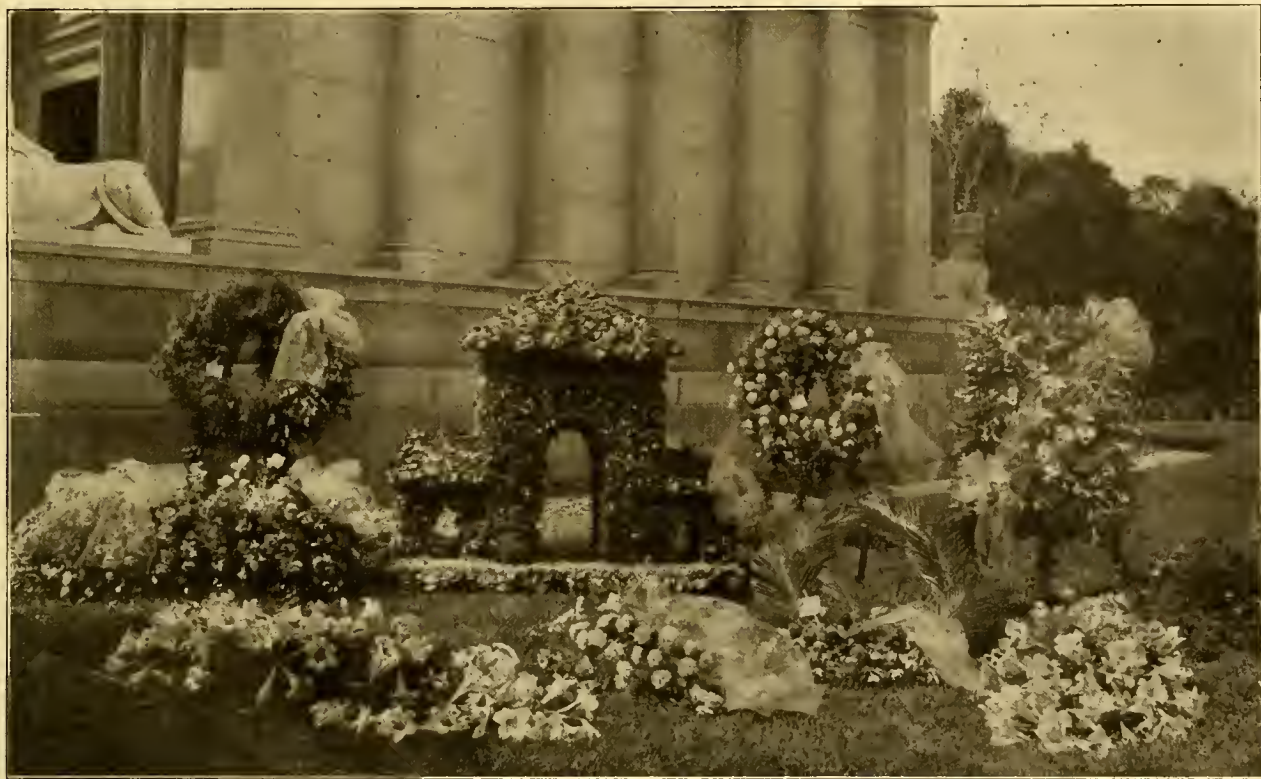
WONSETLER GREENHOUSES.

Big Michigan Fern Cut.

The illustration herewith shows J. B. Deamud's fern packer together with a stock of 100,000 Michigan cut ferns which have been bunched and are ready to pack in the boxes. This man packed a little over 5,000,000 last summer for the same dealer and is making preparations to greatly increase this figure during the present season. The demand for these ferns has grown very rapidly and immense quantities are disposed of through the Chicago market alone. See page 604.



AN ATTRACTIVE EASTER WINDOW.



DESIGN WORK FOR THE FUNERAL OF THE LATE MRS. STANFORD.

(By the Frank Pelicano Company, San Francisco, Cal. See San Francisco notes, page 620.)

THE RETAIL TRADE

Give Them the Flowers Now.

Closed eyes can't see the white roses,
Cold hands can't hold them, you know.
Breath that is stilled cannot gather
The odors that sweet from them blow.
Death with a peace beyond dreaming
Its children of earth does endow.
Life is the time we can help them,
So give them the flowers now!

—North American.

Attractive Easter Window Decorations.

The accompanying illustration of window decoration in the store of Otto Bauer, of Washington, D. C., is unique and the original attracted much attention. The conceit is a mammoth Easter egg on wheels, drawn by a team of ducklings with a rabbit as teamster. The shell is covered with sheet moss and jonquils are seen in the opening at the side. Chicks are perched on the shell.

S. E.

A California View.

As a matter of truth, the California hostess who uses flowers for ornamentation has been spoiled with too much material at hand and loses all sense of beauty and propriety in decoration, as a rule. They are also hampered with the imported conventional ideas, brought from the east, where conditions are vastly different, and which have stifled any possible originality, so that each table decoration is a dull repetition of what one saw at the last place, until everything about it is stereotyped except the flower itself; and this can be guessed nine times out of ten, as only certain flowers are used by the unimaginative hostess at certain seasons. There is undying fame awaiting that

wizard who shall evolve something artistic and new in the way of flower decorating for functions, but until she appears one of the best rules to follow is "don't." That is, do not overdo it. The most effective and greatly admired "flower schemes" are the simplest. The conglomeration of great varieties of blossoms which the California hostess is led to use because she has plenty of flowers and small artistic perception brings about results which are called "decorative" only by courtesy.—Pasadena Star.

At Chicago Retail Stores.

A visit to a few of the Chicago stores this week shows a measure of activity that is most encouraging. All that is needed now is just the right kind of weather and every retailer will be in the happiest mood at Easter Sunday's belated dinner.

The Ernst Wienhoeber Floral Company, 413-427 Elm street, report a good Easter trade thus far, the quantity of stock comparing favorably to last year, but more expensive. With the advance trade already exceeding expectations, the three remaining days previous to Easter will doubtless result in a large volume of business. The decoration of the display window is a handsome affair, the favored plants being gardenia, forsythia, prunus, lilac and standard roses. The arrangement is very unique, as Easter baskets of various designs are displayed with seasonable stock, and all in all the effect is very showy.

At Samuelson's Michigan avenue store all the stock had not yet been received at the time of writing, but judging from the stock already in, this store will have some splendid material

ready for Easter. Fancy baskets will be a prominent feature of this trade, made up chiefly of azaleas, hydrangeas and Rambler roses. Lilies, of course will be the leaders, and pyramid azaleas will also be popular. A rather new departure is a large stock of gardenias. The windows have already taken on gala dress and with continued fine weather business is certain to be brisk. A number of large church decorations will also be in order.

At Smyth's, Thirty-first street and Michigan avenue, they are making a specialty of fancy baskets for Easter. These are made up mainly of azaleas, hydrangeas, small obconicas, Baby Rambler and asparagus tied with ribbons of suitable colors. Chiffon is used to a large extent on these baskets. The azalea, rhododendron and Baby Rambler baskets are made up with Porto Rico mats tied with chiffon. The windows are especially attractive, the various kinds of Easter stock artistically arranged. The usual rush of this season is very apparent. Lilies, with the usual run of seasonable cut stock, complete the holiday assortment.

Inside the A. Lange establishment, 51 Monroe street, may be seen an advance display of Easter baskets filled with a variety of plants. The window display consists largely of lilies, occasionally finding here and there a select stock of Rambler and American Beauty roses. Choice azaleas form a feature and Baby Ramblers attract much attention.

J. Mangel's place of business, Wabash avenue and Monroe street, appeals to the passers-by as a scene of beauty and a typical Easter display. One attractive feature is a cross, probably 3 x 5 feet, made entirely of white and scarlet carnations, with just enough aspara-

gus to make it effective. In another window, equally attractive, is displayed Rambler and American Beauty roses and azaleas, with white and red ribbons used with good taste. A tiny Japanese maple is proving an attraction.

P. J. Hauswirth, Auditorium Annex, will have all varieties of Easter stock in good supply and so evenly balanced that no single variety can be called a specialty. Lilies will be numerous, both cut and pot plants. Roses and carnations are also in quantity. Some fine arbutus is in stock and hydrangeas, azaleas, Ramblers, etc., join in to complete the supply of Easter plants.

Friedman, at Michigan avenue and Van Buren street, although handling all varieties of holiday stock, will make a specialty of lilies and azaleas, which, no doubt, will be the most popular with all retailers during this festive season. He will handle all other general lines of stock and indications of the coming rush are already in evidence.

H. C. Rowe, 35 Monroe street, has as a feature in his display window, a lot of chicks perched on Easter eggs, which with roses, azaleas and lilies make a tasteful and seasonable display.

New York.

THE MARKET.

The market is in a waiting mood. Opinions are freely expressed in regard to the probabilities for Easter trade, but so far as the trend of the market is concerned, there is no cue for either optimist or pessimist. The business of to-day is heavier than for some little time, but improvement must commence somewhere, and could hardly be further delayed. The extraordinary cold weather experienced since Sunday has shortened shipments and prices have stiffened somewhat. Carnations have moved up several points, and while plentiful move fairly well at quoted prices. Good Lawson are bringing 4 cents while less than a week ago they dragged at little better than 2. Roses are stronger, and special grades command better prices. Tulips are doing better, good stock bringing as high as 50 cents per bunch, and ordinary grades selling at four bunches for the dollar. Hyacinths and daffodils are bringing as high as a dollar for four bunches, special stock a trifle more. Southern lilacs are arriving in quantity, but move slowly. Violets are not plentiful and command good prices, when the quality is all right.

The market, April 19.—Stock is short today, the market cleaning up well. Easter stock at Tuesday's auction sales brought good prices.

NOTES.

George Golsner of College Point, and Wm. Amos of Woodside, are sending in some fine moss roses to the New York Cut Flower Exchange.

At the May meeting of the New York Florists' Club, the exhibition will comprise bedding plants very largely. Some fine exhibits are already assured.

Ralph M. Ward & Company, importers and dealers in bulbs, etc., will remove about May 1 from their present quarters, 17 Battery Place, to 12 West Broadway.

The annual orchid sale of Sander & Sons will be held at Cleary's Horticultural hall on Tuesday, April 25.

Ford Brothers are receiving large shipments of blooming violet plants,

which as usual will be a specialty with them this Easter.

Walter F. Sheridan will have a grand stock of roses for the holiday trade, including some specimen grades of American Beauty.

Plantmen have at midweek commenced making deliveries of stock, and their wagons are to be seen everywhere. The present cool weather favors early deliveries.

"Rubber" Holt has opened a store at 234 Broadway, Brooklyn, where he proposes to conduct a retail florists' business, reserving ample accommodation for his trade in rubber goods in connection with which he has been known among growers for many years. His numerous friends in their well wishings say his enterprise is none too great for one of his elastic caliber.

Incoming steamers from Bermuda, according to manifests, have brought large quantities of Easter lilies. The Bermudian, expected Wednesday is said to have a record shipment.

Young & Nugent are making daily displays in their store window. Orchid plants in full bloom are a notable attraction this week.

John P. Cleary is again wielding the hammer at Cleary's auction rooms.

Chicago.

WEATHER AFFECTS MARKET.

The cold weather for the past week has had a tendency to shorten the cut of carnations very much. As early as April 16 it was noticed that the supply would be short. It is believed that before Easter the prices will go soaring. There seems to be an abundance of Easter lilies and the retailer will have no trouble in getting all he may want at prices that will not be extravagant. The market offers some very good fancy ferns which are quoted at \$3 per 100. Roses are coming in very good, but owing to the shortage of carnations will command good prices. The feature of the week's trade has been the heavy demand for Easter novelties.

WHOLESALESALE AND GROWERS.

Poehlmann Brothers have had an immense call for carnations, and at good prices. They take a hopeful view of the Easter trade. At their greenhouses,

Morton Grove, some rebuilding and remodeling will be the order of business in the near future.

Bassett & Washburn reported Easter prices prevailing even as early as Monday, and if the weather of the past week continues there will be nothing but lilies for sale. Carnations are so scarce that an order of 1,000 from Pittsburgh, Monday, regardless of price, was declined.

Peter Reinberg advises that there has been a great demand for American Beauty roses and carnations, and that there will be a full crop for Easter. Chatenay is coming in rapidly, the crop being large and all of a fine quality.

J. A. Budlong says the out of town shipments are quite satisfactory. The weather has been just cool enough to make stock appear, when shipped an unusually long distance, even as fresh as when coming from the greenhouse.

Stollery Brothers have made a specialty of an Easter egg, which has sold rapidly at an unusually good price.

Vaughan & Sperry have a fine lot of Rambler, Beauty, and sweet peas and sales are reported satisfactory.

Charles W. McKellar has no complaint to offer regarding the volume of business during the Easter season. There has been an increased demand in narcissus, jonquils and other seasonable stock.

Referring to wireless telegrams, J. B. Deamud's correspondent advises him that he would recommend the aerogram as accurate and prompt and from twenty to forty per cent cheaper.

The E. F. Winterson Company says that the shortening of stock, especially carnations, will have a tendency to strengthen the lower grades.

Bentley-Coatsworth Company report a decided improvement in trade and predict that prices will be equally as good as last Easter.

Johnson & Carlson report violets and bulbous stock scarce and are of the opinion that prices will go higher than quotations.

Weiland & Risch report heavy shipments. They make a specialty of shipping to the country retailer.

J. B. Deamud is handling an elegant line of General MacArthur roses, which are selling fast.



BIG CUT OF MICHIGAN FERNS.—See page 602.

C. N. Thomas, of the A. L. Randall Company says weather conditions have affected stock. Roses, however, have been plentiful despite that fact. Carnations are not listed as high as a year ago. A tremendous business was done by this concern last Easter and no doubt this season will show a repetition.

Vaughan & Sperry have taken over the business formerly conducted by the Grand Rapids Florists' Association at 60 Wabash avenue. The space will be devoted exclusively to the city trade, which joins the space occupied by the purchasers.

E. C. Amling takes an optimistic view of the situation and is looking forward to the closing of the Easter season as one of the largest, in many respects, for several years. The stock is larger, and the quality what the people want.

Wieter Brothers report a promising Easter trade, and even as early as last Thursday disposed of 3,000 roses and equally as many carnations. They predict that by the closing of Easter week the latter will be scarce.

Sinner Brothers' Easter trade will come up to former seasons. While roses are plentiful carnations are scarce, and the latter, they believe, will not go below 4 cents.

The Flower Growers Company reports prices fair, with sufficient stock to go around. Good prices will prevail even at the close of the Easter week.

NOTES.

Mrs. Mary J. Thompson, wife of Maj. John N. Thompson and mother of John D. Thompson, of the Thompson Carnation Company, Joliet, died April 16. She was a sister of Mrs. H. N. Higinbotham and was well known in Chicago and throughout the state.

Harry Papworth, of New Orleans, called upon the trade of the city last week. His business in that city has recently been incorporated. Some additional improvements are under headway and as soon as practicable six new houses will be erected.

George W. Wienhoeber returned Saturday from a three months' sojourn in Europe and since his return has been making himself conspicuous in assisting with the affairs of his firm.

Vaughan's greenhouses and nurseries at Western Springs are having a great run on Easter stock, nursery material and herbaceous perennials.

The S. F. Leonard Seed Company's business is booming these days, all hands busy early and late.

The George Wittbold Company is making a run on *Dracæna indivisa*, fine, seasonable stock.

T. W. Hinchliffe, of Racine, Wis., was in the city Monday and purchased his Easter stock.

ELMIRA, N. Y.—The United States Cut Flower Company is preparing to make improvements on its property and planning for a busy summer season.

OBITUARY.

Alexander Graham.

Alexander Graham, a well known gardener of Brantford, Ontario, died at his home on St. Paul avenue April 5. He had been a resident of Brantford for the past twenty years, and is survived by a wife and six children.

Jonathan B. Morey.

Jonathan Barnhart Morey, an old resident of Danville, Ill., died of consumption at his home on lower Main street, April 10. For many years he was a member of the nursery firm of Sweet & Morey. In 1885 they dissolved partnership, Mr. Sweet continuing the business, and Mr. Morey formed a co-partnership with his son, the new firm being known as Morey & Son. He was 68 years of age.

Edward H. Howland.

Edward H. Howland, of Holyoke, Mass., died at his home, 166 Oak street, April 11. He died of pneumonia after an illness of one week. He was born in Ceylon, June 6, 1851, and came to



The Late Nicholas Freyling.

(The lady in the picture is Mrs. Freyling.)

this country in childhood. He was a graduate of Williston seminary at Easthampton, Mass., and was a member of the class of '74 at Amherst. He moved to Holyoke in 1884 and in 1887 erected his greenhouses at the corner of Oak and Appleton streets. He is survived by his wife and one son.

Nicholas Freyling.

Nicholas Freyling, of the Wealthy Avenue Floral Company, Grand Rapids, Mich., died at his home April 12 of cancer of the stomach after an illness of ten years. He did not take to his bed, however, until about four weeks ago. He leaves a wife, two sons and one daughter. Mr. Freyling was born in Holland in 1853, and came to this country in 1872, locating in Grand Rapids. He was one of the pioneers in the business and entered into partnership with Mr. Mendels in 1881, buying the Sharp establishment on Wealthy avenue, which then consisted of 5,000 feet of glass.

Prosperous business began at once and kept growing until the present time, the firm now having 40,000 feet of glass. Mr. Freyling in addition owns a large number of dwelling houses near the greenhouse establishment. The greenhouses and everything pertaining to them were bought about two weeks ago by Mr. Freyling's eldest son, Edward, who will continue the business, the remainder of the estate going to his wife. Mr. Freyling was one of the first members of the Grand Rapids Florists' Club, and the members turned out in a body to attend the funeral, this being the first death in the membership since the organization, in 1893. Mr. Freyling was of a most cheerful disposition and always had a smile and a good word for everyone.

N. B. S.

William Paul.

We are advised of the death of William Paul, the well known English rosarian, March 31, at the age of eighty-three years. Mr. Paul's health had been precarious for some time past and he succumbed to a paralytic stroke which he had some few days before his death. Rose growers everywhere will feel the loss keenly, especially that it comes so soon after the death of the late Dean Hole, which occurred August 24 of last year.

A brief sketch of Mr. Paul's career was given in our issue of March 29, 1902, as follows: "The story of the life work of William Paul is written in the rose gardens of the world. It is a worthy record of a life well spent, for this venerable rosarian has labored long and well for the improvement of the rose, of which there is at his place, Waltham Cross, Hertfordshire, England, one of the grandest collections in the world. Mr. Paul has spent half a century in his rose garden, coming into the business in youth, succeeding his father, but in these later years turning over the details of the great nursery to his son, Arthur, who is himself skilled in the craft. Some of Mr. Paul's introductions are Medea, Corinna, Enchantress, Waltham Climber, Duke of Edinburgh, Beauty of Waltham, Pride of Waltham, Star of Waltham, Princess Adelaide, Duchess of Albany, Lord Bacon, R. D. Baxter, Brightness of Cheshunt, Brilliant, Cheshunt Scarlet, Princess Christian, Crimson Globe, Paul's Single Crimson and many more. Given to literary pursuits and possessing one of the finest libraries of botanical works in all England it is but natural that he should write of his roses, and his book, 'The Rose Garden,' published in 1848, has reached its ninth edition. Much might be said of his various essays, read before horticultural and scientific societies, and of his many contributions to the press, but most of these, the important ones, are embodied in 'Contributions to Horticultural Literature, 1843-1892.' Mr. Paul was a Fellow of the Linnean Society and one of the oldest Fellows of the Royal Horticultural Society. For many years he has been one of the principal exhibitors of roses at the British shows and his name has also been closely connected with the production and introduction of zonal pelargoniums, hollyhocks, phloxes, camellias and other flowers."

THE AMERICAN FLORIST

TWENTIETH YEAR.

Subscription, \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted only from those
in the trade.

Advertisements, on all except cover pages,
10 Cents a Line, Agate; \$1.00 per inch.
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10 per cent; 26 times, 20 per cent;
52 times, 30 per cent.

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The advertising Department of the AMERICAN
FLORIST is for florists, seedsmen and nurserymen
and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to
secure insertion in the issue of the same week.
Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send
the old address at the same time.

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KEEP the plant prices steady.

THERE is a strike affecting a section
of the glass trade which may result in
advanced prices at an early date.

It is bad policy at all times to sell
poor stock and especially bad to sell
it under the pretense that it is the best.

It is a mistake to advance the prices
on stock to regular customers just
because one happens to be running low
on it.

AGAIN we have to report much havoc
wrought by hail. The man to consult
about hail insurance is John G. Esler,
Saddle River, N. J.

If one has good material it is not
necessary to follow the other fellow in
cutting prices on it. It is better to get
a good salesman and sell it at right
prices.

F. R. THORNTON, of the W. C. Hill
Floral Company, Streator, Ill., states
that it is the wish of his firm to put
flower beds of their finest stock in the
city park as a contribution toward
beautifying the place. This is a spirit
that is well worthy of emulation in all
our small towns and cities.

Hail Notes.

Pittsburg, Pa.—The hail storm that
occurred April 10 was the most destruc-
tive since 1893. During the six minutes
that it lasted plants and glass to the
value of many thousands of dollars were
demolished. Much damage is reported
from Sewickley Valley, where private
conservatories suffered to a considerable
extent. The following were among
those visited by the storm, the losses
ranging from \$100 to \$1,500: Geddes &
Blind Brothers, Mrs. E. A. Williams,
William Turner, Williamsburg, John
Bader, A. R. Peacock, H. C. Frick, A. W.
Smith, Randolph & McClements, J. B.
Murdock & Company, and Phipps con-
servatories at Schenley and Allegheny
parks.

Bowling Green, Ky.—Five greenhouse
establishments of this city were the
greatest sufferers from the storm and
hail April 11. Nearly all the glass at
the five places was broken.

NEW CASTLE, IND.—Several thousand
dollars damage was done here by a
severe hail storm on the night of April
10. Gardens were riddled and consid-
erable greenhouse glass was broken.

Baltimore.

EASTER PROSPECTS.

Trade in cut flowers last week was
brisk at the beginning and at the end,
sagging somewhat in the middle. On
Saturday everything in sight was
pretty well cleaned out of the market.
Doubtless somewhat of the deficiency
felt on Saturday was due to the dis-
position to hold back stock for the
rather higher prices which may be
expected to prevail in a day or two.

We have had a week of trying
weather, and to-day it would seem that
either the calendar man or the weather
man had made a mistake, for there
never was a more typical blustering,
cold, raw and miserable St. Patrick's
day than is this seventeenth day of
April. Last night there was a freeze
all around and for three days there
have been driving winds, varied by
squalls of snow.

The condition of Easter stock remains
about the same, the low temperatures of
the past several days having prevented
the general blooming out of indoor ma-
terial which was reasonably expected.
Harrisii lilies will not be over abun-
dant and there will be a lack of azaleas.
Hydrangeas, astilbes, bougainvilleas,
genistas, etc., will be in ample supply.
Of each stock there will be no shortage,
probably. Some unusually fine lily of
the valley is already coming in from
Fred C. Bauer, outdoor grown forwarded
under temporary sash. Violets will be
entirely lacking. The quidnuncs of
the daily press say sweet peas are to
take their place for the women's per-
sonal adornment.

To-day the store windows are being
stripped preparatory to their decoration
for the great spring holiday, and by
Thursday the embellishment of the
altars of the churches of those commu-
nions which make this a great religious
festival will begin. All the signs point
to at least as favorable a season as the
average for all branches of the trade.

S. B.

Philadelphia.

PRICES ADVANCE.

The week ending April 15 was very
quiet and the store men had abundance

of time to inspect their Easter stocks
at the various growers' establishments.
Prices remained about the same as those
last quoted. For Easter delivery there
will be a considerable advance, amount-
ing to almost 100 per cent. The special
Beauty are quoted \$5 to \$6 per dozen,
Brunner \$40 to \$50 per 100, teas and
Kaiserin \$8 to \$12, Liberty \$15 to
\$30. Carnations, special, \$5 to \$8, next
grade \$3 to \$4. Lilies \$10 to \$12, callas
\$10 to \$12. Violets, stock very limited,
\$1, smilax \$20 to \$25.

At this writing the stores are stock-
ing up, the plants arriving in fine con-
dition. The weather the past two weeks
has been very favorable for holding
stock and the fear that many of the
plants, especially the bulbs, would not
keep, has been groundless, as they are
in excellent condition. Azaleas are
also just right with at least half of the
assortment labeled Van der Cruyssen.
It looks as if all the stock grown will be
sold, as quite a few of the growers say
they are entirely sold out. Lilies are
selling for \$10 to \$12, either cut or in
the pots.

NOTES.

The department stores are in it as
usual with their widely advertised cut
prices; 12 cents per bud and flower
for lilies, is high, while some only ask
10 cents. It is hard for the retail
stores to compete against such prices,
but it has been going on for several
years and as all hands generally clean
up pretty well, it is likely to be the
same this season. The general store
price is 25 cents.

S. S. Pennock will handle about 12,000
blooms. He is selling plants in pots as
well and shipping large quantities out
of town. Eddie Pincourt, chief of the
ribbon department, says that they can-
not keep up with their orders in some
colors and qualities of the goods.

Manager Meehan at the Market says
they will be strong on Easter and calla
lilies. He says that if this cold weather
continues there will be a grand scram-
ble at the last of the week for roses
and carnations, as there will not be
near enough for the demand.

The Leo Niessen Company has the
handling of the Hugh Graham Com-
pany's Brunners. They are a fine lot
and should sell readily; 50 cents is the
top price. Mr. Niessen says the advance
orders for general Easter stock are very
extensive.

George Anderson has at last put in
a phone. He is the last to become con-
vinced of its utility, every other grower
of any note having long ago adopted
this up-to-date convenience.

Sweet peas are now coming in good
form and color. Robert Crawford is
getting some extra fine stock from his
place at Secane.

The Philadelphia Cut Flower Com-
pany say they have secured a lot of
extra fine lilies and expect a great trade
for them.
K.

GRANDVILLE, MICH.—The tempera-
ture here April 18 was 22° Fahrenheit.

SHARPSBURG, PA.—John B. Walker
and wife celebrated their golden wed-
ding April 12.

VANCOUVER, B. C.—James Pont has
sold his greenhouses to R. Emerson and
has bought ten acres of land at Ladner,
B. C., where he may again go into busi-
ness.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, Monday, April 24, at 8 p. m.

Chicago, Ill.—Chicago Florists' Club, Handel hall, 40 Randolph street, Thursday, April 27, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, Monday, April 24, at 7:30 p. m.

Denver, Colo.—Denver Floral Club, 323 Charles block, Friday, April 28, at 8 p. m.

Grand Rapids, Mich.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street, Monday, April 24.

Hartford, Conn.—Hartford Florists' Club, Friday, April 28, at 8 p. m.

Salt Lake City, Utah.—Salt Lake Florists' Society, Friday, April 28.

Tarrytown, N. Y.—Tarrytown Horticultural Society, Thursday, April 27.

SITUATIONS; WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Ads. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1905 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

Situation Wanted—As gardener; German, married, one child; 19 years' experience. All references. Box 108, care American Florist.

Situation Wanted—By a young man as helper in roses or general work; 2 years' experience. Address Box 213, care American Florist.

Situation Wanted—On private place by young German, newcomer; good gardener and florist; can furnish excellent references. Address Box 216, care American Florist.

Situation Wanted—By single man, age 25; capable of taking charge of section or small place. Will work for \$50 to \$55 per month. L. NIELSEN, 547 N. California av., Chicago.

Situation Wanted—By a gardener experienced in all branches, vegetable, fruit and flower gardening, also propagating. Prefer the south. Have no bad habits. Address Box 211, care American Florist.

Situation Wanted—By sober, intelligent, all-around grower of cut flowers and plants in pots; age 31; 13 years' practical experience; can handle men. State wages and particulars when writing. Address J. N., care R. E. Rudolph's Greenhouses, Paducah, Ky.

Situation Wanted—By a German, as manager in large florist establishment; 40 years' of age; 21 years' practical experience in all branches of greenhouses and store; would be willing to purchase interest in good established business. Address Box 214, care American Florist.

Help Wanted—A good carnation and mum grower. Permanent position to the right party. CHAS. HOFFMAN, De Baten, Pa.

Help Wanted—An all around man, German preferred. State wages wanted without board. O. R. DEMMLER, Eau Claire, Wis.

Help Wanted—Two good rose growers; steady positions and good salary to men of ability. Apply WEILAND & RISCH, 507 Wabash avenue, Chicago.

Help Wanted—Good man for bedding plants; single; must be good salesman and speak English and German. Address P. BLONDELL, Oak Park, Ill.

Help Wanted—Grower of fine roses, carnations and general stock; sober industrious. Good wages to right man. Send references. Box 210, care American Florist.

Help Wanted—At once; two good rose, carnation and general greenhouse men; good steady employment for right men. Address C. H. FREY, 1133 O street, Lincoln, Neb.

Help Wanted—A good grower of carnations and propagator of same; to assist in growing bedding plants and general work around greenhouse. Must be sober. State wages with reference. WOLFBORO GREENHOUSES, Wolfboro, N. H.

Help Wanted—May 1: single man for rare place; one that can grow roses, carnations and general stock; wages \$15 per month. Send references to MANAGER, Uplands, Carroll P. O., Baltimore, Md.

Help Wanted—One or two greenhouse men at once. Young men preferred that have had some experience. State what you know in first letter. Wages \$10.00 per week without board. No drinkers need apply. Address EVENDEN BROS., Williamsport, Pa.

Wanted to Rent—One or two small greenhouses and some land, near Chicago, north side preferred. Address Box 299, care American Florist.

For Sale—Coll boiler, 25 pipes, 4 ft. long, 1 1/2 inch, at \$15.00. Address C. WINTERICH, Defiance, O.

For Sale—A good business, in a fine town. Doesn't require a fortune. Investigate. Address Box 221, care American Florist.

For Sale—About 10,000 feet 10x12, 8x12, and 8x10 double thick imported glass, and 16 4-inch gate valves. J. GEIST, Melrose, Mass.

For Sale—4 inch cast iron pipe at 6c per foot. One Kroeschell boiler, extra large size, cost over \$500 for \$150. Address HELLER BROS., New Castle, Ind.

For Sale—Cheap, a good paying florist business, well established, in San Antonio, Texas. Fine opening here for an up-to-date florist. Address MRS. S. MAVERICK, San Antonio, Texas.

For Sale—Greenhouses of between 6,000 and 7,000 square feet of glass and double house. In fine locality. On trolley line. For particulars address MRS. M. A. HILL, Ansonia, Conn.

For Sale—Boilers, half price: one Mills boiler, No. 4 1/2, heats 5,000 feet of glass; one Dean boiler, heats 3,000 feet of glass; good condition; now in use. Address FRED. M. FLAGG, 648 State St., Springfield, Mass.

For Sale—Owing to the death of the proprietor, the greenhouses and stock of the Lake Geneva Floral Co., established in 1890 are offered for sale. A good opening for a practical man. W. H. HAMMESLEY, Lake Geneva, Wis.

For Sale—Half interest in greenhouse plant of 17,000 feet of glass; houses filled with roses, carnations and miscellaneous stock. Price and terms will surprise you. Senior partner is aged, feeble and must get out. Address WILLIAMS & CRITTENDEN, Waterloo, Ia.

For Sale—Greenhouses of between 7,000 and 8,000 square feet of glass, with dwelling house and barn, horse and wagons; in fine locality on trolley line; entire product of greenhouses to be sold at retail; cause of selling sickness. For further particulars address H. MADSEN, 395 New Bridge, W. Springfield, Mass.

For Sale—Greenhouse plant of about 30,000 feet of glass; also ten acres of land; good 6 room dwelling and barn. Will sell reasonable or rent to responsible party. Our city has 50,000 inhabitants and no roses are grown here to speak of. Reason for selling, owner wants to retire. Do not answer this ad unless you mean business. For particulars. Address Box 212, care American Florist Co.

For Sale—A good florist business in a western city of 60,000 can be purchased at a great sacrifice. Well established trade and prospects for future bright. Is worth \$1,700, but will dispose of business for \$700 cash. All health cause of disposition of business. Address Box 217, care American Florist.

For Sale—Old age compels me to quit business. I offer my two greenhouses, well stocked, No. 17 Hitchings boiler, pipes, house of seven rooms, lot, heated, sash, etc., for sale cheap. City of 3,000 inhabitants, sixty-five miles from Chicago. Shipping facilities in all directions. Splendid location for a hustler, with no greenhouse inside of twenty-eight miles. Will sell greenhouses alone if desired. Correspondence solicited. CHARLES FAUST, Harvard, Ill.

For Sale—Will stocked greenhouses, newly built, ten miles from Chicago, growing out flowers for the wholesale market; four acres of land with about 60,000 feet under glass; steam and hot water heating apparatus; new boilers; horses and wagons and everything essential to the business. Good house and barn goes with the property. Excellent reasons for selling. Will sell cheap for part cash and balance long time. A money maker. Investigate. Address Box 215, care American Florist.

For Rent—At Frederick, Md., greenhouses 18x63, 12x102, 20x162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two acres of ground; dwelling for rent in immediate neighborhood; coal, manure, labor cheap, city water; no stock on hand. Rent \$300 per annum, half payable in advance every six months. Ill health of owner compelled retirement from successful business; principally vegetables under glass and mushrooms for Washington and New York. HENRY TRAIL, Frederick, Md.

FOR SALE...

A valuable greenhouse property consisting of four houses, 6x40, 26x162, 26x102, 50x100; all heated with hot water. These houses are all of iron frame construction of the most modern pattern, and in finest of condition. All stocked with fancy carnations of best selling varieties. Only two hours from New York City and splendid shipping facilities at all times. These houses with land will be sold at a reasonable figure and on easy terms. A good chance for a wide awake man with brains, energy and some ready money. Don't bother with this unless you mean business. X Y Z, care Am Florist, 429 6th Ave., New York.

FOR SALE About 50,000 feet of glass nearly all devoted to carnations, one house of roses and one of asparagus plumosus; houses in splendid condition; two built last summer; 72-inch by 16 ft. boiler heats the place with ease; another large boiler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale and retail trade well established; one of the best shipping points in Michigan, reaching with ease and comparatively short time, Chicago, Milwaukee, Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid trade in field-grown carnation plants as well as rooted cuttings. Stock in fine condition. Soil and climate just suited to growing carnations—both quantity and quality. Splendid water privilege for field and houses. An exceptional chance for some one to step into a well established business. Will also sell or rent a large or medium sized house. For further particulars, address Box 228, care American Florist.

A Rare Opportunity.

FINEST FLOWER PLANT IN MIDDLE GEORGIA,

THE IDLE HOUR NURSERIES.

At Bankrupt Sale at Macon, Ga., May 2nd, 1905, at Public Outcry. Terms Cash.

Sold as part of the Assets of the late R. H. Plant.

This beautiful piece of property is situated five miles from the Macon Court House, in the healthiest part of Georgia, about two hundred yards from Summerfield, a station on the Central of Georgia Railway, and directly on the main roadway between Macon and Atlanta, making a beautiful drive through Vineville and the choicest part of Bibb County, over as fine road-bed as could be wished.

The Greenhouses, consisting of eight large, finely constructed and up-to-date glass houses with a smaller one attached, are located on a beautiful eminence overlooking a large tract of farming lands and scenery unsurpassed in middle Georgia, is finely equipped with three handsome houses for employees, stables, barns, sheds, etc.; within easy reach of the soils so essential to the successful growing of flowers. Large sums of money have been expended to bring the plant up to perfection. Abundant supply of water and a heating apparatus, more than sufficient for present needs. About thirty-three acres of land go with the place.

The Stores for the sale of the product of the plant are on Cotton Avenue, near Second Street. A more desirable place could not be selected within the bounds of the City. The lease of the store at a moderate rent holds until October 1, 1906. Here is to be found a model establishment of its kind, fully equipped with designs and fixtures and various paraphernalia necessary. The business has been built up to such an extent that intelligent management from a purchaser must yield fine results.

For further information, write, telegraph, or apply in person to

N. B. CORBIN, Trustee in Bankruptcy, MACON, GA.

Madison, N. J.

The Morris County Gardeners' and Florists' Society held its regular meeting on April 12. It was a great success. Many gardeners and florists in addition to regular members were present. Roses and carnations were there in plenty and of a high standard. John E. Haines, Bethlehem, Pa., was there and staged four magnificent vases of carnations. John E. Haines, scarlet, shown in grand condition, received a certificate of merit. Star of Bethlehem, yellow, received honorable mention. Imperial variegated and a pink seedling highly commended. Would like to see more of the latter. H. Weber & Sons, Oakland, Md., sent vases of My Maryland. Jessica, striped, securing certificates of merit. Guttman & Weber's scarlet, Victory, was shown in splendid form, getting certificate of merit.

Our boys at home were on hand with specials of real merit. Wm. Thomas, vase mixed carnations received cultural commendation. John Heeremans, vase mixed carnations, also cultural commendation. Wm. Duckham, vase Enchantress, cultural commendation. L. A. Noe, magnificent vases of Amer-

ican Beauty, Bride and Bridesmaid roses secured cultural commendation. J. R. Mitchell, vases of Bridesmaid and Bride and President Carnot, secured cultural commendation. M. McNulty, American Beauty vase, honorable mention.

The judges were A. Herrington, C. H. Totty and Wm. Duckham. Messrs. Haines and Guttman made neat speeches at the request of President Heeremans, and each received a vote of thanks from the society.

Robt. M. Schultze and Andrew McKendry were proposed for membership. EDWARD REAGAN, Sec'y.

Los Angeles, Cal.

J. W. Wolfskill is making rapid strides as a carnation specialist and general plant and cut flower grower. The credit for the success of the establishment in its various departments, however, is largely due to that excellent and well known grower George Watson, whose practice in matters horticultural, often under very adverse circumstances, has not been excelled by any grower in the country. The eastern visitor will find much to interest him at this place.

The E. J. Vawter Carnation Company

are at 214 Mercantile place with their wholesale depot. Their retail store is at Ocean Park where their growing establishment is located.

The Redondo Floral Company, at 246 S. Spring street, put in five new plate store windows this week, remodeling the entrance.

Howard & Smith, who do a plant trade only, are very busy with planting out now.

Morris Goldenson carries a big show of flowers at his Third street store and in good variety.

J. W. Wolfskill has just completed a fine storage box with mirror and electric lights.

MEXICO CITY, MEX.—Activity in the floral trade has increased to such an extent that the old flower market building is now too small and a larger and more decorative one will be put up.

WHEELING, W. VA.—The florists are now very busy preparing for the great demands of their Easter stock. Lilies, of course, are the leaders with azaleas next in popularity. Bulbous plants will also be popular, especially hyacinths. Despite a late Easter, plants will be moderate in price.

DREER'S HARDY PERENNIALS FOR SUMMER CUT FLOWERS

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.

We have a large stock and the plants offered are all of such size that they will give the best possible returns. For a complete list of this class of plants as well as all other reasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots. **Japonica**, red. **Alba**, white. **Lady Ardilaun**, extra large white. **Queen Charlotte**, beautiful La France pink double, and **Whirlwind**, double white. 75c per dozen; \$3.00 per 100.

Anemone Prince Henry. Large double rich deep pink flowers. A fine new introduction \$2.00 per dozen; \$15.00 per 100.

	Per doz.	100
Achillea, The Pearl, strong 3-in. pots	\$ 75	\$ 5.00
Asclepias Tuberosa, strong 1 yr. old roots	75	6.00
Asters hardy in var. strong 3-in. pots	1.00	8.00
" Edna Mercia; a fine new pink var.	2.00	15.00
" Grandiflorus; large flowered late blue	2.00	15.00
Boltonia Latisquama, 4-in. pots	75	6.00
" Asteroides, 4-in. pots	75	6.00
Campanula Moehmi, 3-in. pots	1.25	10.00
" Pyramidalis, strong 1 yr. clumps	1.00	8.00
Caryopteris Mastacantha, 3-in. pots	75	6.00
Chrysanthemum Shasta Daisy, 2 1/4-in. pots	60	4.00
Chrysanthemum Maximum Triumph 3-in. pots	75	6.00
Cimicifuga Simplex (rare) strong plants	3.50	25.00
Clematis Recta, strong 2 year old	1.50	12.00
Coreopsis Lanceolata, heavy 4-in. pots	75	5.00
Delphinium Formosum, strong 4-in. pots	75	6.00
" Belladonna (rare) very free flowering	2.50	20.00
Dianthus Latifolius Atrococcineus, 2 1/4-in. pots	60	4.00
Digitalis Gloxiniaeflora, 4-in. pots	75	6.00
Doronicum Austriacum, 3-in. pots	1.00	8.00
" Excelsum, 3-in. pots	1.00	8.00
Eriogonum Coeruleum Grandiflorus, 3-in. pots	1.00	8.00
Eupatorium Ageratoides, 4-in. pots	75	6.00
" Coelestinum, 3-in. pots	75	6.00
Feverfew Little Gem, 2 1/4-in. pots	60	4.00
Funkia Subcordata Alba, 4-in. pots	1.00	8.00
Gaillardia Grandiflora, heavy 4-in. pots	75	6.00
Gypsophila Paniculata, strong 1 year old roots	75	6.00
Helenium Autumnale Superba, 4-in. pots	75	6.00
" Pumilum, 3-in. pots	1.00	8.00
" Magnificum, 3-in. pots	1.25	10.00
Helianthus Multiflorus Fl. Pl., strong	75	6.00
" Maximus, strong	75	6.00
" Maximiliana, strong	75	6.00
" Meteor, strong	75	6.00
" Soleil d'Or, strong	75	6.00
" Wolley Dod, strong	1.00	8.00
Heliopsis Pithcherianus, 4-in. pots	1.00	8.00

	Per doz.	100
Heliopsis Scaber Major, 4-in. pots	\$1.00	\$8.00
Hollyhocks, Dreer Superb Double in separate colors	1.25	10.00
Hollyhocks, Dreer Superb Double in choice mixture	1.00	8.00
Hypericum Moserianum, 3-in. pots	1.00	8.00
Iberis Sempervirens, 3-in. pots	75	6.00
Iris Kaempferi, 24 choice named var.	1.25	10.00
" finest mixed	1.00	8.00
" Germanica, 12 choice name var.	75	6.00
" fine mixed	50	4.00
Lobelia Cardinalis, strong 4-in. pots	75	6.00
Lychnis Chalcedonica, strong 3-in. pots	75	6.00
" alba, strong 4-in. pots	75	6.00
" Rubra, Fl. Pl. strong 3-in. pots	2.00	15.00
" Viscaria Splendens, strong 4-in. pots	1.00	8.00
Lysimachia Clethroides, strong 4-in. pots	75	6.00
Myosotis Palustris Sempervirens, strong 3-in. pots	50	4.00
" Alpestris Grandiflora, strong clumps	50	4.00
Paeonies in choice varieties; see catalogue for varieties	1.50	12.00
Penstemon Gentianoides, 3-in. pots	1.00	8.00
Physostegia Virginica, strong 4-in. pots	75	6.00
" alba, strong 4-in. pots	75	6.00
Perennial Phloxes, 25 finest varieties	75	5.00
Pinks Hardy, 6 best varieties, 4-in. pots	75	6.00
Pyrethrum Uliginosum, strong plants	75	6.00
Rudbeckia Golden Glow, strong 4-in. pots	75	6.00
" Purpurea, strong 4-in. pots	1.00	8.00
Scabiosa Caucasica, strong 3-in. pots	1.00	8.00
" alba, strong 3-in. pots	1.00	8.00
Solidago Rigida, strong 4-in. pots	1.25	10.00
" strong 4-in. pots	75	6.00
Spiraea Aruncus, clumps	1.00	8.00
" Chinenensis, clumps	1.25	10.00
" Filipendula, fl. pl., 4-in. pots	75	6.00
" Gigantea, clumps	1.25	10.00
" Palmata, clumps	1.00	8.00
" Elegans, strong 4-in. pots	75	6.00
Spiraea Ulmaria, strong 4-in. pots	\$ 75	\$ 6.00



CIMICIFUGA SIMPLEX.

	Per doz.	100
Spiraea Ulmaria, fl. pl., strong 4-in. pots	75	6.00
Statice Eximia, strong 3-in. pots	75	6.00
" Gmelini, strong 3-in. pots	75	6.00
" Latifolia, strong 3-in. pots	75	6.00
Stokesia Cyanea, strong 3-in. pots	1.00	5.00
Sweet Williams, strong 4-in. pots	60	4.00
" large clumps	75	6.00
Thalictrum Aquilegifolium Atropurpurea, 4-in. pots	1.00	8.00
Thalictrum Aquilegifolium Album, 4-in. pots	2.00	15.00
Thalictrum Aquilegifolium Roseum 4-in. pots	1.00	8.00
Trollius Aurantiacus, 4-in. pots	1.50	10.00
" Europaeus, 4-in. pots	1.00	8.00
" Japonicus Excelisior, 4-in. pots	1.50	10.00
" Orange Globe, 4-in. pots	2.50	18.00
Tritoma Pfitzeri, strong per 1000	\$50.00	1.00
" Coralina " " "	50.00	1.00
" Macowanii " " "	75.00	1.00
" Uvaria Grandiflora, strong per 1000	50.00	1.00
Valeriana Coccinea, 4-in. pots	1.00	8.00
" alba, 4-in. pots	1.00	8.00
" Officinalis, 4-in. pots	1.00	8.00

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The florist who is, will get and hold a lot of trade from the florist who isn't.

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We are ready as never before to take care of **your** Easter Trade.

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Asparagus Plumosus,

60 CENTS PER STRING.

Carnation Blooms and Rooted Cuttings.
Good stock.

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We also carry a full line of Florists' Supplies such as Tin Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Boxes, Ribbons, all sizes and colors, All Kinds of Letters, Wire Designs, Cycas Leaves, Etc., Etc. Our stock is of the best quality and at the most reasonable rates. Please write for our price list. Orders by mail, telephone or telegraph will receive our most careful and prompt attention.

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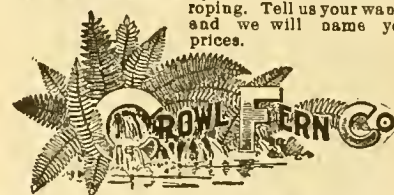
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Fancy, \$1.50; Dagger, \$1.25 per 1000. Galax, Brilliant Bronze or Green, 75c per 1000; \$3.50 per case of 10,000. **Laurel Festooning**, hand-made, full sizes, 4c, 5c and 6c per yd. Made fresh daily from the woods. Send us your

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Now and we will please you. Branch Laurel, 35c per large bundle. **Southern Wild Smilax**, per 50-lb. case, \$5.50. **Laurel Wreaths** and **Princess Pine Wreaths**, made all sizes and prices. **Princess Pine** by the lb. and made into roping. Tell us your wants and we will name you prices.



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NONE BETTER.

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New Crop Cut Fancy and Dagger Ferns

READY MAY 1. Prices: Fancy, \$1.25 per 1000; Dagger \$1.00 per 1000. Special quantity quotations on application.

BOOK NOW AND BE SURE OF A SUPPLY.
CROP SHORT THIS SEASON.

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MILWAUKEE, April 19.

Roses, Beauty, long, per doz.	3.00@4.00
" " med.	2.00
" " short	1.00
" Liberty	4.00@ 8.00
" Chateaux	4.00@ 8.00
" Bride, Bridesmaid	4.00@ 8.00
" Meteor, Golden Gate	4.00@ 8.00
" Perle	4.00@ 8.00
Carnations	3.00@ 5.00
Smilax	12.50@15.00
Asparagus sprays	2.00
Valley	2.00
Adiantum	1.50
Violets	.75@ 1.00
Callas	8.00@10.00
Romans, Paper Whites	2.00@ 3.00
Harrisi	12.50@15.00
Tulips, Daffodils	3.00@ 4.00

PITTSBURG, April 19.

Roses, Beauty, specials	25.00@35.00
" " extras	15.00@20.00
" " No. 1	6.00@10.00
" " ordinary	3.00@ 5.00
" " Bride, Bridesmaid	3.00@12.00
" " Meteor	6.00@ 8.00
" " Liberties	8.00@15.00
" " Perle, Chateaux	3.00@ 8.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	25.00@50.00
Asparagus Sprenger	2.00@ 3.00
Lilies	6.00@12.00
Adiantum	1.00@ 1.50
Mignonette	1.00@ 3.00
Daffodils	2.00@ 3.00

CINCINNATI, April 19.

Roses, Beauty, per doz.	2.00@ 6.00
" " Bride, Bridesmaid	4.00@10.00
" " Liberty	6.00@12.00
" " Meteor, Golden Gate	6.00@12.00
Carnations	3.00@ 6.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.50
Callas	12.50@15.00
Asparagus Plumosus and Sprenger	
in bunches	.35c per bunch
Harrisi	12.50@15.00
Romans, narcissus	3.00
Violets	1.00
Marguerites	.50

ST. LOUIS, April 19.

Roses, Beauty, long stem	4.00@ 5.00
" " medium stem	2.00@ 3.00
" " short stem	.75@ 1.50
" " Bride, Bridesmaid	5.00@ 8.00
" " Liberty	5.00@ 8.00
Carnations	2.00@ 4.00
Smilax	15.00
Asparagus Sprenger	1.50@ 3.00
" Plumosus	25.00@50.00
Ferns, fancy	per 1000, 2.50
Adiantum	1.00@ 1.25
Lily of the valley	8.00@ 4.00
Romans	3.00
Callas	12.50@15.00
Paper White narcissus	3.00
Easter lilies	12.50@15.00

CLEVELAND, April 19.

Roses, Beauty, per doz.	1.00@ 6.00
" " Bride, Bridesmaid	4.00@10.00
" " Meteor	5.00@12.00
Carnations	8.00@ 5.00
Smilax	20.00
Asparagus, strings	25.00@50.00
" Sprenger	1.00@ 2.00
Common ferns	2¢
Violets, single	.35@ .75
" " double	.50@ 1.00
Tulips	3.00@ 4.00
Sweet peas	.50@ 1.00

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FANCY FERNS, Valley, Roses, Carnations and all Seasonable Stock. Consignments of Fancy Stock Solicited.

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High-Grade Cut Blooms.

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Choice American Beauties a Specialty.

Artistic Designs on Short Notice.

Good Shipping Facilities to all Michigan Points.

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AMERICAN BEAUTIES.

Cut Roses—American Beauties and all kinds of Tea Roses at lowest prices. Trial orders solicited.

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WHOLESALE FLORIST,

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American Beauties and all leading varieties of Roses and Carnations.

All flowers sold at prevailing market prices. Orders received and filled at Greenhouses if desired, by addressing

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Wholesale and Retail Florist,

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Paper White Narcissus and Roman Hyacinths.

\$2.00 per hundred, in any quantity.

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EASTER PRICES.

	Per 100		Per 100
American Beauties, extra long.....	\$50.00	Carnations, large fancy.....	\$5.00
" " 30-inch.....	40.00	" good stock.....	4.00
" " 24-inch.....	30.00	" common.....	3.00
" " 18 20 inch.....	25.00	" 1000 lots, our selection, \$25.00	
" " short.....	\$6.00 to 12.00	Longiflorum Lilies.....	12.50 to 15.00
Liberties.....	6.00 to 15.00	Calla Lilies.....	12.50
Brides and Maids, long, select.....	8.00 to 10.00	Galax.....	per 1000, \$1.00
" " good stock.....	6.00	Adiantum.....	1.00
" " short stems.....	4.00	Asparagus Sprengerl.....	per doz., 35c
Valley, fine.....	3 00 to 4 00	" Plumosus, sprays.....	3.00
		" strigs.....	50.00
		Smilax.....	Per 100 \$15.00 to \$18.00
		Ferns, fancy.....	per 1000, \$3.00
		Narcissus and Romans.....	3.00
		Violets, double.....	1.00
		White Lilac, very fine.....	per doz., \$1.00
		" single.....	4.00 to 5.00
		Daffodils and Jonquils, double.....	3.00
		Leucothoe.....	.75
		Sweet Peas.....	1.00 to 1.50

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All telephone and telegraph orders
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Wholesale
Growers of **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and
Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

GEO. REINBERG,

Wholesale
Grower of **Cut Flowers**

CHOICE AMERICAN BEAUTIES.

We will take care of your orders at reason-
able prices. Prompt attention.

51 Wabash Ave., CHICAGO, ILL.

Wholesale Flower Markets

CHICAGO, April 19.

Roses, Beauty, 30 to 36-in. stems	5.00@ 6.00
" " 20 to 24 "	2 50@ 3.00
" " 15 to 18 "	2 00@ 2.50
" " 12 "	1.50
" Liberty.....	6 00@15.00
" Chateaux.....	6 00@15 00
" Bride, Bridesmaid.....	6 00@12.00
" Golden Gate.....	6 00@10 00
" Gen'l MacArthur.....	6 00@12.00
Carnations.....	2.00@ 3.00
" fancy.....	3.50@ 5 00
Valley.....	2.00@ 4 00
Asparagus Plumosus, per string 25 to 50c	
" sprays 2.00@ 6 00	
" Sprengerl.....	3 00
Leucothoe sprays.....	1 00
Galax Leaves, Bronze, per 1000.....	.15
Adiantum.....	1.00
Fancy ferns.....per 1000	2.50@ 3 00
Smilax.....	15.00@20.00
Wild smilax.....per case	6.00
Easter lilies... per 1000.....	\$125 15.00
Callas.....	12.50@15.00
Paper Whites.....	3.00
Poet's narcissus.....	1.00

It is good business policy
to mention the

American Florist

... when writing to an advertiser

PETER REINBERG

51 Wabash Ave., CHICAGO.

Wholesale Cut Flowers

LARGEST GROWER
IN THE WORLD.

Price List.

AMERICAN BEAUTIES—	Per doz.
Extra Select.....	\$ 5.00
30-inch stems.....	4.00
24-inch stems.....	3.00
20-inch stems.....	2.00
15-inch stems.....	1.50
12-inch stems.....	1.25
Short stems.....	\$.75 to 1.00

	Per 100
LIBERTY.....	\$5.00 to 10.00
CHATELAIN.....	5.00 to 10.00
MAIDS AND BRIDES.....	5.00 to 8.00
PERLE.....	5.00 to 8.00
SUNRISE.....	5.00 to 8.00
UNCLE JOHN.....	5.00 to 10.00

CARNATIONS.....	3 00 to 4 00
CUT EASTER LILIES.....	15.00
Per dozen.....	\$2.00

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5.00.

Please mention the American Florist when writing

Poehlmann Bros. Co.

Wholesale Growers of
and
Dealers in **Cut Flowers**

All telegraph and telephone orders
given prompt attention.

Greenhouses: 35-37 Randolph Street,
Morton Grove, Ill. CHICAGO.

Please mention the American Florist when writing.

—BUY YOUR—

Cut Flowers, Florists' Supplies,

WIRE DESIGNS at

THE FLOWER GROWERS' MARKET,
60 Wabash Ave., CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST.

WHOLESALE FLORISTS

CHICAGO.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

52 and 54 High Street,

CLEVELAND, OHIO.

Please mention the American Florist when writing.

BOSTON, MASS.

WELCH BROS.

15 Province Street.

All Varieties FLOWERS in Season. FANCY and DAGGER FERNS.

FLORISTS' SUPPLIES all kinds.

Long Distance Telephone, 6268-6267 Main.

GRAFTED ROSE STOCK.

Now is the time to order for summer flowering.

KAISERIN and CARNOT, 2 1/4-inch pots, \$15.00 per 100; \$120.00 per 1000

OUR ROOT STOCK.

KAISERIN, CARNOT, BRIDE and BRIDESMAID, 2 1/4-inch pots, \$4.00 per 100; \$35.00 per 1000.

I have splendid plants of AMERICAN BEAUTY, clean and free from spot; \$6.00 per 100; \$50.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

—THE—
J. M. McCullough's Sons Co.

WHOLESALE FLORISTS

ALSO SUCCESSION TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

316 WALNUT ST.

CINCINNATI, O.

H. G. BERNING

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Wholesale Flower Markets

Boston, April 18.

Roses, Beauty, best.....	20.00@25.00
" " medium.....	12.00@20.00
" " culls.....	6.00@ 8.00
" Bride, Bridesmaid.....	4.00@ 6.00
" Extra.....	8.00@12.00
" Liberty.....	1.00@ 8.00
Carnations.....	1.50@ 2.00
" Fanny.....	2.00@ 3.00
Lily of the valley.....	2.00@ 3.00
Smilax.....	12.00@16.00
Adiantum.....	1.00
Asparagus.....	35.00@50.00
Violets.....	.35@ .50

PHILADELPHIA, April 18.

Roses, Tea.....	6.00@ 8.00
" extra.....	10.00@12.00
" Liberty.....	15.00@30.00
" Queen of Edgely, extra.....	30.00@50.00
" frsts.....	15.00@25.00
" Beauty, extra.....	30.00@50.00
" frsts.....	15.00@25.00
Carnations.....	6.00@ 8.00
Lily of the valley.....	3.00@ 5.00
Asparagus.....	25.00@50.00
Smilax.....	20.00@25.00
Violets, double.....	.75@ 1.00
Adiantum.....	.75@ 1.50
Gardenias.....	.15@ .20
Mignonette.....	2.00@ 3.00
Easter lilies.....	10.00@12.00
Callas.....	8.00@12.00

BUFFALO, April 18.

Roses, Beauty.....	2.00@35.00
" Bride, Bridesmaid, Meteor..	2.00@10.00
Carnations.....	1.00@ 4.00
Harrisii.....	10.00@12.50
Lily of the valley.....	2.00@ 4.00
Asparagus, strings.....	40.00@50.00
Smilax.....	15.00@20.00
Adiantum.....	.75@ 1.50
Lilium Longiflorum.....	10.00@12.00
Violets.....	.20@ .50

Pittsburg Florists' Exchange,

WHOLESALE FLORISTS

and Florists' Supplies.

228 Diamond St., PITTSBURG, PA.

Send for weekly price list and prices on large orders..

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

RICE BROTHERS,

128 N. 6th St., MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Wild Smilax | Flowers Billed at

Market Prices.

Shippers of choice Cut Flowers and Greens of all kinds. Try us.

H. N. Bruns

LILY OF THE VALLEY

1409-1411 West Madison Street,
CHICAGO, ILL.

R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

THE PHILADELPHIA CUT FLOWER CO.

The finest cut LILIES, and every-
thing in seasonable stock for the
EASTER trade.....

1516-1518 Sansom Street,

Bell and Keystone Phones.
Open 7:30 a. m. to 8 p. m.

PHILADELPHIA, PA.

Please mention the American Florist when writing.

Michigan Cut Flower Exchange,

WM. OILGER, Mgr.

Fancy and Dagger Ferns.

All Cut Flowers in Season.

38-40 Miami Ave. DETROIT, MICH.

THE AMERICAN FLORIST'S COLOR CHART

is now accepted as the standard in preparing
color descriptions, by many foreign
houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

D. WOOD BRANT,

SUCCESSOR TO BRANT & NOE FLORAL CO.

—Grower of—

CUT FLOWERS AT WHOLESALE.

Choice Carnations. Any quantity. Prices
very reasonable. Wire or write.

Careful attention given shipping orders.

58-60 Wabash Ave., CHICAGO.

THE RELIABLE Commission House,
Jos. S. Fenrich
 48 W. 30th St., NEW YORK.
 Telephone 325 Madison Sq.

YOUNG & NUGENT
 42 West 28th Street, Wholesale Florists.
 Telephone 2085 Madison Sq.

CATTLEYS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-of-town customers who place their order with us that they will not be disappointed.

J. K. ALLEN,
 Wholesale Commission Florist,
 106 West 28th Street, NEW YORK.
 American Beauties, Orchids, Roses,
 Carnations, Violets, CUT FLOWERS.
 Tel. 167 Madison Square. Open every day at 6 a. m.
 Telephone No. 756 Madison Square.



MOORE, HENTZ & NASH
 Wholesale Commission Florists,
 55 and 57 West 26th St., NEW YORK CITY.
 Advice of sale note daily. Statement and check weekly. All consignments large or small receive the same attention. CORRESPONDENCE INVITED.

WHOLESALE WILLIAM GHORMLEY, COMMISSION

Daily Receiver and Shipper of Fresh Cut Flowers.

Orchids, Roses, Carnations, Valley, Lilies, etc.

Telephones 2200 and 2201 Madison Square.

57 West 28th Street, NEW YORK CITY.

JOHN YOUNG,
 Special American Beauties,
 Surpassing Carnations,
 Lily of the Valley, Orchids
 and all Seasonable Flowers.
 51 West 28th St., NEW YORK.
 Telephone 1906 Madison Square.

Original Pioneer House—Established 1871.

JAMES HART
 117 W. 30th St., NEW YORK.

Wholesale and Commission
 Consignments solicited. Shipping orders promptly attended to. Phone 626 Madison.

—FLOWERS SHIPPED BY—

John I. Raynor,
 Are the best product of the best growers
 for the New York Market.
 ADIANTUM CROWEANUM sold here exclusively.
 49 W. 28th St., NEW YORK.
 Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
 Telephone 902 Madison Square.

39 West 28th St., NEW YORK.
 20 years' experience. Tel. 4878 Madison.

JOHN SELIGMAN,
WHOLESALE FLORIST
 56 W. 26th Street, NEW YORK.
 OPPOSITE N. Y. CUT FLOWER CO.
 Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed.

Choice Carnations. Selected Roses.
Traendly & Schenck
 NEW YORK CITY,
 44 W. 28th Street, Cut Flower Exchange.
 New Telephone No. 798 & 799 Madison Sq.

Wholesale Flower Markets

NEW YORK, April 17.

Roses, Beauty, best.....	10 00@30 00
" " medium.....	3 00@10 00
" " eulla.....	1 00@ 2 00
" Liberty, best.....	10 00@30 00
" " medium.....	3 00@10 00
" " eulla.....	1 00@ 2 00
" Bride, Bridesmaid, G. Gate.....	1 00@ 8 00
" Kaiserin, Carnot.....	1 50@ 8 00
Carnations.....	2 00@ 4 00
" fancy and novelties.....	4 00@ 6 00
Lily of the valley.....	1 00@ 3 00
Lilies.....	4 00@ 8 00
Smilax.....	10 00@25 00
Adiantum.....	.50@ .75
Asparagus.....	20 00@50 00
Tulips.....	2 00@ 4 00
Violets.....	.40@ 1.25

Charles Millang
WHOLESALE FLORIST.

Conservatory connected from which I can ship ferns and decorative plants promptly.

50 W. 29th St. NEW YORK.
 Tel. 3860 and 3861 Madison Square.
 Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
 Consignments Solicited.
A. L. YOUNG & CO., Wholesale Florists,
 54 West 28th Street,
 Telephone 3559 Madison Sq. NEW YORK.

FORD BROS.
 Receivers and Shippers of
Fresh Flowers
 111 West 30th St., NEW YORK.
 Telephones 3870-3871 Madison Sq.

REPRESENTING EMINENT GROWERS.

Julius Lang
 53 West 30th Street, NEW YORK.
COMMISSION DEALER in FLOWERS
 TELEPHONE 280 MADISON SQUARE.

The Only House Handling the **Victory**
NEW RED CARNATION
 To be Disseminated 1906. Also a Complete Line of **Choicest Flowers.**

ALEX. J. GUTTMAN, WHOLESALE FLORIST,
 52 West 28th Street, NEW YORK.
 Telephones: 1664-1665 Madison Square.

N. Y. CUT FLOWER EXCHANGE
 Coogan Bldg., 6th Ave. & W. 26th St., New York.
 Open for Cut Flower Sales at 6 o'clock Every Morning.
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.

CARNATIONS My Specialty.
CONSIGNMENTS SOLICITED.
 Prompt Payments. Established 1891.
Alfred H. Langjahr, 55 W. 28th St. New York.
 Telephone 3924 Madison Sq.

EDW. C. HORAN,

55 WEST 28TH STREET,

Telephone 421
 Madison Square.

.....NEW YORK.

CUT FLOWERS AT WHOLESALE.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

SAN FRANCISCO.

TELEPHONE MAIN 1023.

SIEVERS & BOLAND,
Floral Artists,

33 Post Street, SAN FRANCISCO, CAL.
Please mention the American Florist when writing.

INDIANAPOLIS.

Bertermann Bros. Co.,
FLORISTS,

241 Massachusetts Ave., INDIANAPOLIS, IND.
Please mention the American Florist when writing.

ST. LOUIS.

Fred. C. Weber,
FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.
Established 1873. Bell, Lindell 676.
Please mention the American Florist when writing.

DENVER.

The Park
Floral Co.

J. A. VALENTINE, DENVER, COLO.
Pres.

MILWAUKEE.

C. C. Pollworth Co.
MILWAUKEE, WIS.
Will take proper care of your orders in
WISCONSIN.

CHICAGO.

Established 1857.

The Geo. Wittbold Co.
1657 Buckingham Place, CHICAGO.

Growers and Importers. The oldest and leading
house in Central and Western United States.
Decorative plants a specialty. Mail and Wire
Orders Get Prompt attention.

A. Gude & Bro.
FLORISTS

1214 F St., WASHINGTON, D. C.

KANSAS CITY.

WILLIAM L. ROCK
FLOWER CO.
Kansas City, Mo.

Palmer's

BUFFALO,
N. Y.

DETROIT.

JOHN BREITMEYER'S
SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

Artistic Designs. ***
High Grade Cut Blooms.

We cover all Michigan points and good sections
of Ohio, Indiana and Canada.

Wholesale Flower Markets

St. PAUL, April 17.

Roses, Beauty, long, per doz.	6.00
" " med. " " 2.00@	4.00
" " short " " 1.60@	1.50
" Liberty	6.00@12.00
" Chateau	6.00@10.00
" Bride, Bridesmaid	6.00@10.00
" Gates and Ivory	6.00@10.00
" Perle	4.00@ 6.00
Carnations	3.00@ 5.00
Violets	1.00
Valley	3.00@ 4.00
Romans, Paper White	3.00
Tulips, Daffodils	3.00
Sweet Peas .....	.75
Callas	12.50
Harrisii	15.00
Smilax	15.00
Spenceri	2.00
Adiantum	1.00

MINNEAPOLIS, April 18.

Roses, Beauty, long, per doz.	5.00
" " med. " " 3.50	3.50
" " short " " .75@	1.00
" Liberty	6.00@12.00
" Chateau	4.00@12.00
" Bride, Bridesmaid	4.00@12.00
" Meteor, Golden Gate	4.00@12.00
" Perle	4.00@10.00
Carnations	4.00@ 5.00
Smilax	15.00@18.00
Asparagus sprays	2.00@ 3.00
Valley	4.00
Adiantum	1.50
Common ferns per 1000	3.00
Callas	12.50
Romans, Paper Whites	3.00@ 4.00
Harrisii	12.50@15.00
Tulips, Daffodils	4.00

CHICAGO.

P. J. HAUSWIRTH
Auditorium Annex,
CHICAGO.

Mail, telegraph or telephone orders filled
promptly in best style.

AMERICAN
FLORIST
ADS ~ ~ ~

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

NEW YORK.

LEIKENS

7 East 33rd St., Near Waldorf-Astoria.

Telegraph orders from any part of the country
for Boxes, Flowers or Designs for deliveries at
residences or steamers faithfully filled.

WASHINGTON.

Joseph R. Freeman,
FLORIST,

612 13th St. N.W., WASHINGTON, D. C.

ST. PAUL.

HOLM & OLSON,
ST. PAUL.

THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in
Minnesota and the Dakotas.

GALVESTON.

Mrs. Chas. Eickholt,
2319 AVENUE M,
GALVESTON, TEXAS.

Cut Flowers, Floral Designs, Decorations.
Telephone 1087. All mail, telegraph or telephone
orders promptly and artistically filled.

OMAHA.

HESS & SWOBODA,
FLORISTS,

1415 Farnam Street, OMAHA, NEB.
'Phone 1501 and L. 1662.

SPRINGFIELD.

Mark Aitken
FLORIST.

378 Main St., Springfield, Mass.

SHIPPING LABELS FOR

...Cut Flowers

Printed in two colors on gummed
paper; your card, etc., in black and
leaf adopted by the S. A. F. in red.
Very attractive. Price per 500,
\$2.85; per 1000, \$4.50. Send for samples.
ELECTRO OF THE LEAF, POSTPAID, \$1.25.

American Florist Co.,
CHICAGO.

Blackstone
Florist
14th and H Sts. N.W.
Washington, D. C.

GET IN LINEAnd Order Your **EASTER STOCK** From**SINNER BROS.****WHOLESALE GROWERS 60 Wabash Ave., CHICAGO.****TRY OUR STOCK**—You will like it.**TRY OUR SERVICE**—You will want more of it.**BULB STOCK****LILIES****ROSES****CARNATIONS****FERNS****GALAX****GREENS***Please mention the American Florist when writing.***KENNICOTT BROS. COMPANY****40-42-44 Randolph St., CHICAGO.**

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

Please mention the American Florist when writing.**"FOLLOW
THE FLAG"****WABASH
Summer Tours**Write today for a Free copy
of **WABASH Summer Tour
Book—1905**, outlining many
very attractive summer vaca-
tion trips, with rates, etc.Write us about any tour you
may have in contemplation.
We shall be glad to assist you.**C. S. CRANE,**
G. P. & T. Agent,
ST. LOUIS.**F. A. PALMER,**
A. G. P. Agent,
CHICAGO.**Rose Plants****2½-INCH POTS.**

	Per 100	Per 300
BRIDESMAID.....	\$3.00	\$25.00
BRIDE.....	3.00	25.00
GOLDEN GATE.....	3.00	25.00
IVORY.....	3.00	25.00
CHATENAY.....	3.00	25.00

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

Wm. P. CraigImporter and
Exporter.....**Plants, Bulbs and Seeds.**

1305 Filbert Street,

PHILADELPHIA.

EASTER PRICE LIST.

American Beauties—		Per doz.
30 to 40-inch.....		\$5.00 to \$6.00
24-inch.....		4.00
20-inch.....		3.00
15-inch.....		2.00
12-inch.....		1.50
8-inch.....		1.00
Short.....		.75
Brides }		Per 100
Maids }	Special A Stock.....	\$9.00 to \$10.00
Meteors }	Select.....	6.00 to 8.00
Gates }	Good Average.....	5.00 to 6.00
Perles—Fancy.....		6.00 to 8.00
Medium.....		4.00 to 5.00
Roses—Our Selection.....		5.00
Liberty.....		10.00 to 15.00
Carnations—Extra Fancy.....		5.00
Good Average.....		3.00 to 4.00
Easter Lilies—Select.....		12.50 to 15.00
Callas.....		12.50 to 15.00
Lilac—Purple and white.....		Per doz.
		1.00 to 1.50
Wild Smilax—No. 1 Case, 25 lbs.,		\$3.25
No. 3 Case, 50 lbs.,		6.00
Tulips—Double.....		Per 100
		\$4.00 to \$5.00
Single.....		3.00 to 4.00
Daffodils—Double, Ex. Fine.....		3.00 to 4.00
Dutch Hyacinths.....		4.00 to 6.00
Valley.....		3.00 to 4.00
Asparagus—per String.....		25.00 to 50.00
Sprays.....		3.00 to 4.00
Sprengerl.....		4.00 to 6.00
Common Ferns, per 1000.....		.30
Galax.....		1.00 to 1.25
Smilax—Extra Heavy.....		15.00 to 18.00
Leucothoe.....		1.00
Adiantum.....		1.00 to 1.50
Single Jonquills.....		.50 to 1.0
Forget-me-nots.....		1.50
Pansies.....		1.00
Violets—Single.....		.75
Double.....		.75 to 1.00
Sweet Peas.....		1.00 to 1.50

HEADQUARTERS FOR**"Hard" Flowered
Long Stem****Easter Lilies**Telephone or Telegraph for
Your Easter Wants at the
Last Moment if Necessary.**E. F. WINTERSON CO.**

45-47-49 Wabash Avenue,

CHICAGO.**BOSTON FERNS.**

Fine young plants, \$10.00 per 1000.

ZAMIA INTEGRIFOLIA..... \$12.00 per 1000

Send Money Order on Little River, Fla.

SOAR BROS., Little River, Fla.**GARDENIA PLANTS.**

(GRANDIFLORA CAPE JESSAMINE.)

Our leading specialty. Natural growing con-
ditions here ideal; size tells its own story. We
do not think they can be equaled elsewhere. 1-
year, 18 to 24-in., \$1.50 per doz.; \$10.00 per 100.
Dormant now and until February 25th.**C. W. BENSON,**

Alvin, Tex.

100,000 Alternantheras.**STRONG ROOTED CUTTINGS.**Brilliantissima, the best deep red, 75c per 100;
\$6.00 per 1000. A. Nana, yellow, 50c per 100; \$4.00
per 1000. P. Major, red, 50c per 100; \$4.00 per 1000.
Special prices on 5,000 or more.**DAVIS BROS., Morrison, Ill.****Many Electrotypes****SUITABLE FOR****Folders, Circulars and Catalogues****FOR SALE BY THE****AM. FLORIST, 324 DEARBORN ST.,
CHICAGO.**

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Keudel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

EVERYBODY has Stowell's Evergreen to offer this spring.

THE onion set market is still dull. Most stocks are cleaned up and prices are low.

CONSIDERING the poor potato market seed stocks are moving well. Good northern Ohios are quoted at 40 cents Chicago.

NESTS of ostrich eggs in the Easter-show windows of Vaughan's Seed Store, Chicago, are attracting much attention.

FUNK BROTHERS, Bloomington, Ill., report being well sold out on main crop seed corn. Early varieties are not moving so well.

TEXAS onion shippers claim their reports on this year's crop have been greatly exaggerated. The first carload from there was shipped this week.

ASPARAGUS RUST has appeared in the Sacramento valley fields, California, and seriously affected the crop. The new section near Indio, Cal., is still free from such attacks.

PASADENA, CAL.—John Lewis Childs, of Floral Park, N. Y., is reported to have bought the C. A. Scharff Paradise Nursery tract of nine acres at South Pasadena, which will be laid out with drives, etc. C. H. Hovey, the nurseryman, will be in charge for the present.

3,700 ACRES OF GARDEN SEEDS
IN CULTIVATION.

Braslan Seed Growers Co.

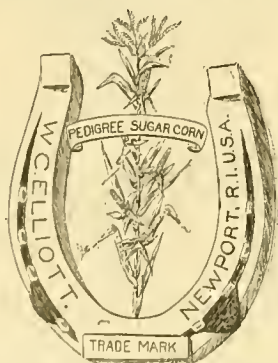
Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.

Please mention the American Florist when writing.

WILLIAM C. ELLIOTT

507 Broadway, NEWPORT, R. I.



ORIGINATOR OF VALUABLE
New Varieties of Sweet Corn

Circulars on application.
Correspondence solicited.

Please mention the American Florist when writing.

GROWERS of callas, freesias and other bulbs successfully produced in southern California are expecting good crops this season, the outlook just now being most favorable for both quantity and quality.

ONE of the reliable pickle men said after the recent convention that the acreage in cucumbers this year would be considerably under that of a year ago. Cheap pickle seed cannot be moved at any price.

MUSCATINE, IA.—J. E. Hoopes & Company, the well known truckers, have gone into the seed growing business quite extensively, and a number of good contracts have been received for the present season.

BUFFALO, N. Y.—The Whitney-Noyes Company has been incorporated with a cash capital of \$50,000. The firm will engage in the sale and purchase of farm and nursery land; the raising of timber and sale of seed and grain.

MATTITUCK, L. I., N. Y.—J. M. Lupton writes as follows April 7: "In regard to the prospects for cabbage and other seed crops in our section of the country, I may state that I think on the whole rather more than ten per cent of the cabbages have rotted during the winter. The condition is much better than it was a year ago and those that are coming out of the trenches in good shape seem to give fairly good promise of a crop. The cabbage seed acreage of Long Island is rather below the average and there is hardly a possibility of more seed being grown here this season than will be required by the trade."

Dutch Bulb Prospects.

Hillegom, Holland, April 7.—Crops are looking promising so far, and if we do not get so much of the weather we are having at present the bulbs will turn out satisfactorily. It has been snowing the greater part of the day and if it continues until night there will be snow a foot deep, and all that on the hyacinths which are in full bloom. We want warm and dry weather.

The Spring Business.

F. Barteldes & Company, Lawrence, Kan.—Business this season has been fully as good if not better than last year. For a while we had to work days and nights to keep up with our orders and we are still very busy.

The Steele, Briggs Seed Company, Toronto, Ont.—Our trade to date this year is very much in excess of the same date last year, partly owing to the earlier season and in a measure to the prosperity of the country.

John Lewis Childs, Floral Park, N. Y.—Business this year up to April 1 has been a little better than last year at same date and is running well ahead this month.

Italian Seed Crops.

Advices from Naples state that since the middle of November there has been a succession of hard frosts almost without intermission, and owing to their unusual severity during the past months they have caused great damage even to the less delicate plants.

Flower Seeds.—The autumn sowing of these has suffered severely, and any

quotations of prices which may be made are for prompt orders, but without any guarantee as to the quantities to be supplied.

Onion.—English seedsmen are so much dependent upon Italian growers for the Tripoli and Improved Silver-skinned types, that they will regret to learn that the crop will be short all round.

Cauliflower.—The breadths put out for seed supply have specially suffered, and it is anticipated that not more than a fourth of the plants will yield seed.

Garden Beans.—Here again will be a great shortage of crop, and no hope of improvement.—Gardeners' Chronicle.

Customs Decisions.

The following are abstracts of the decisions of the United States Board of General Appraisers promulgated April 12:

ORNAMENTAL LEAVES, ETC.—Certain leaves of areca, asparagus, isoplepis, fern, etc., which had been dyed, preserved and ornamented, were held to have been properly classified as ornamental leaves under paragraph 425, tariff act of 1897. Certain sea moss was held to be dutiable as an unenumerated manufactured article under section 6 as claimed by the importers, the Botanical Decorating Company, Chicago.

DILL AND PARSLEY SEEDS.—The board sustained the contention of the importer, Harry Hawley, Galveston, Tex., that certain dill and parsley seeds should have been classified under paragraph 548, tariff act of 1897, relating to aromatic seeds which are drugs.

The Free Seeds Distribution.

The congressional distribution of seeds is an example of misdirected and pernicious paternalism in the government to which the Outlook desires to call the attention of its readers. It is a free distribution of seeds and plants in the nature of a present from members of congress to their constituents. The appropriation of 1901 was \$170,000; in 1903 it had grown to \$270,000; this year the appropriation for the next fiscal year is \$290,000. The distribution includes not only garden seeds, but flower seeds, bulbs, shrubs, grape-cuttings, trees and plants. These seeds, trees, etc., are sent free through the mails on the franks of the congressmen. It is thus impossible to ascertain how much the transportation costs. The Agricultural Department refuses to disclose the weight, and it may be that no record of it is kept. If the weight could be obtained, the actual expense to the postal service could be accurately estimated—for such matter is carried at the rate of one cent for each two ounces. According to the last report of the Secretary of Agriculture, the department sent out 40,000,000 packets of seeds. It is the usual practice of the department to put five packets of assorted seeds in one mail package. This would mean 8,000,000 separate pieces of mail. If these mail packages average four ounces in weight, at a conservative estimate, the postal revenue the government loses is at least \$160,000. In addition to this there must be charged against this gift enterprise the clerical and other work involved in it. It is therefore safe to say that the federal government spends over half a million dollars a year in order to enable each congressman to send to each of his constituents a few garden seeds, most of which can be bought in the open market. The whole thing is a development of clap-net, country, political engineering and log-rolling. The seeds are used by the congressmen as a cheap bid for favor; they do not conserve the purpose under which the distribution was begun, and the distribution should be abandoned. It is creditable neither to the congressmen concerned, to the constituents whose favor is sought for in such a petty way, nor to the Department of Agriculture, which is doing such highly creditable work in original investigation and instruction.—The Outlook, April 8, 1905.

UTICA, N. Y.—The Florists' Club have nominated officers and will hold an election May 4, at which time a banquet will be given in connection.



My Specialties For **EASTER**

Everything in Fancy Cut Flowers.

ORCHIDS A SPECIALTY.

Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.

A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand.

Also a fine line of Novelties in Florists' Supplies.

If you want the **BEST** at any Time, or all the Time, send to

CHAS. W. McKELLAR,

Long Distance Phone. Central 3598.
Automatic. 3623.

51 Wabash Ave., CHICAGO.

FOR QUICK SERVICE

**Send Me Your
Hurry Up Orders.**

GOOD SUPPLY OF ALL

**Cut Flowers
and Greens.**

SUMMER FLOWERING BULBS

TUBEROSES.

Dwarf Pearl, first-class, strong bulbs, per 100, \$1.00; per 1000, \$8.00.

Dwarf Pearl, medium size, per 100, 60c; per 1000, \$4.50.

GLADIOLUS.

All strictly first size bulbs. Per 100 1000

Augusta, pure white, blue anthers.... \$3.00 \$26.00

Brenchleyensis, intense scarlet.... 1.35 11.50

Ceres, pure white, spotted purplish rose 1.25 10.50

Mme. Muneret, delicate rose color.... 1.50 12.50

May, pure white, flaked rosy crimson.. 1.50 12.50

Vaughan's XXX Florist Mixture.

This mixture is made up from named white and light varieties and mixtures of light colors only. Per 100, \$1.75; per 1000, \$15.00.

VAUGHAN'S SEED STORE,
CHICAGO. NEW YORK.

Seed Bags FOR THE TRADE

We manufacture a full line in Manila, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

—THE—

Brown Bag Filling Machine Co.
FITCHBURG, MASS.

Alfred J. Brown Seed Co.

—GROWERS OF—

GARDEN PEAS and BEANS
For the Wholesale Trade.

Grand Rapids, Mich.

It is good business policy to mention

The...

AMERICAN FLORIST

When you write to an advertiser

Van Zanten Brothers,

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of **HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc.** We further ask your attention to our superior quality and special prices of **FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC.** Ask quotations from our traveler

MR. G. HYLKEMA,

Care of Messrs. Mallus & Ware, 136 Water St., New York.

Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

**LEONARD
SEED
CO.**
Write for Prices.
WE ARE
HEADQUARTERS
FOR
Flower Seeds
and
Bulbs
ONION SETS.

**WHOLESALE
SEED GROWERS**

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Peas and Garden Seeds. WRITE FOR PRICES.

CHICAGO.

ASPARAGUS PLUMOSUS NANUS

High Grade, Plump and
Absolutely Fresh Seed.

100 for 40c; 1000 for \$2.00; 12,000 for \$20.00. Your money back if not satisfactory. Sample free if you mean business.

Carnation Seed, hand hybridized, 1-16 oz., for \$2.00

The above Carnation Seed is very choice, embracing an assortment of over forty varieties, and should bloom about four months from planting.

Burbank's Shasta Daisy, 1 oz. \$4.00

New Nasturtium, Jupiter, 1 lb.50

Pansy California Giant, 1 oz. 1.00

Ipomoea, Heavenly Blue, 1 oz.10

Cosmos, mammoth mixed, 1 oz.25

Pop y Maid of the Mist, 1 oz.20

Petunia California Giant, 1-16 oz. 2.00

All the above seeds are grown in California, and you know what that means when it comes to vitality. I also grow choice flower seed on future contract.

F. GILMAN TAYLOR, GLENDALE, CALIFORNIA.

Telegraph Code

OF THE

Am. Seed Trade Association

\$2.00

In either stiff or flexible cover. Address orders to
AMERICAN FLORIST CO., CHICAGO.

Established 1880. Cable Address: Jacrolland, Nimes.

JACQUES ROLLAND

NIMES, France.

Seed Merchant & Grower

Special Cultures of Phlox.

Grows on Contract at Very Moderate Prices.

Wholesale catalogue free on demand. Those visiting the Continent are invited to visit my establishment.

SEED GROWERS

Field, Sweet and Pop Corn, Cucumber, Melon and Squash Seed.

Write us before placing contracts. We have superior stock seed and can furnish you good seed at reasonable prices. Address

A. A. BERRY SEED COMPANY,
CLARINDA, IOWA.

**American
Florist**

Ads

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.

The Nursery Trade

AMERICAN ASSOCIATION OF NURSEYMEN.

E. W. Kirkpatrick, McKinney, Tex., Pres.;
C. L. Watrous, Des Moines, Ia., Vice-Pres.;
George C. Seager, Rochester, N. Y., Sec'y.
Thirtieth annual convention, West Baden
Springs, Ind., June 14-16, 1905.

VISITED SAN FRANCISCO, CAL.—B. L. Elliott, of Pittsburg, Pa.

DR. J. T. WILLIAMS, of Dunkirk, N. Y., editor of the Grape Belt, died April 10.

THERE is noticeable a very general movement in favor of extended and better parks.

A NURSERYMAN of Fort Dodge, Ia., says that the 17-year locusts are due in that state this year.

THE California laws regarding inspection of nursery stock are very strenuous, and especially so against Florida grown products. A fine retail order of \$50 worth of choice plants from that state was cremated by the Los Angeles county horticultural commissioners March 25 while the owner stood by and watched the job.

Monterey Cypress.

ED. AMERICAN FLORIST:—

I would like some information regarding the care of Monterey cypress in the state of Wisconsin. Can I plant them in open ground about June 1 or would it be better to put them in pots in the ground and take them up in the fall? The trees are three feet high. What kind of soil and what temperature do they require? R. K.

The Monterey cypress is found only near Monterey, California, and nearby islands, and will endure very little frost. I have seen trees eighteen inches in diameter killed by 14° of frost. It is a beautiful tree, dark green foliage, very dense, and a very rapid grower, often making two growths a year in California. I have measured single growths from eight feet to twelve feet. I would advise your Wisconsin correspondent to grow his in tubs and put in greenhouse during the winter, not transferring to the open air before June 1st. We have tried nearly all of the California conifers and have not found a single one that would endure the winters of northern Illinois. THOS. H. DOUGLAS.

Newport, R. I.

TRADE VERY BRISK.

A splendid week to look back upon is everybody's report of the past six days. The weather has been perfect, and both large order business and retail counter trade has been very active with the seedsmen. The frost is about out of the ground, and, although the soil is not yet wholly settled much early planting is being done. Potatoes, oats, grass seeds, sweet peas and onion sets are going into the ground fast. As stated weeks ago, everything bids fair for the best season we have had in years, not only with the seedsmen, but in every branch of the agricultural and horticultural trade. Our florists have had a busy week and are now looking forward and preparing for the

Easter business which even now is being talked of as a large trade.

NOTES.

Charles E. Wheeler has been here in the interest of the Bowker Insecticide Company of Boston, Mass. Their preparations such as boxal, pyrox, etc., have fast gained in popularity and sales here; and every succeeding season sees more interest in the spraying of trees and other vegetation.

Carl Jurgens and wife have gone on a two weeks' visit south, and will return in season for the marriage of their son, Carl Jurgens, Jr., to Miss Florida Hubbard, April 10. Their daughter, Mrs. Parker, is here from Providence to remain until their return.

William C. Elliott has issued a very attractive circular describing those new varieties of sweet corn that he can offer for sale the coming season. Mr. Elliott has for years labored over sweet corns and certainly has some very fine sorts.

The first prize of \$15 for twelve blooms of American Beauty roses, awarded by the Massachusetts Horticultural Society at their recent spring exhibition, went to Arthur Griffin, gardener to Commodore E. T. Gerry at Seaverge.

Alexander Adam will take charge of the glass and gardens at Oakland Farm for Alfred G. Vanderbilt. Mr. Adam has been for many years head gardener to Eben D. Jordan at Chiltonville, Plymouth, Mass.

F. W. Creighton, representing Henry A. Dreer of Philadelphia, spent a few hours with us last Saturday. Mr. Creighton reports trade better than for several years especially in the south.

Gardeners and caretakers of grounds, etc., state that the season, so far as

being able to clear up places is concerned, is at least two weeks behind last spring.

M. Steele of the Rhode Island College of Agriculture has been in this part of the state for several days, taking samples of fertilizers for the yearly tests that are made by the state.

F. L. Zeigler has had an especially good run the past week on funeral orders; he has been receiving some very fine pansies and violets. X.

Lake Geneva, Wis.

The Lake Geneva Gardeners and Foremen's Association have decided to hold a flower show November 3 and 4. At their last regular meeting a paper was read by A. Johnson, gardener to R. T. Crane, on the propagation and growing of carnations.

Another paper on the forcing of vegetables was read by A. J. Smith, gardener to John J. Mitchell. Both papers were interesting and instructive and were well received by the thirty-six gardeners present.

JOHN TIPLADY, Sec'y.

ST. LOUIS, MO.—Edw. L. Loyet had an attractive opening at 918 North Kings Highway April 13.

NOTICE.

W. van Kleef & Sons

Wholesale Growers of Nursery Stock.

BOSKOOP, HOLLAND,

Beg to announce that their representative, W. van Kleef, Jr., is again in America calling on the trade. All correspondence during April and May, care Maltus & Ware, 136 Water St., New York.

Please mention the American Florist when writing.

CALIFORNIA PRIVET CHEAP

100,000 well grown plants, 3 to 4 feet, selected, \$4.00 per 100. \$25.00 per 1000. 2½ to 3½ feet, 7 or more branches, \$2.50 per 100; \$17.50 per 1000; 20 to 30 in., 5 or more branches, \$2.00 per 100 \$13.00 per 1000. 18 to 24 in., light, 2 years, 3 or more branches, \$1.50 per 100, \$7.00 per 1000. All of the above boxed, f. o. b. here. For car or large lots write before placing your orders.

CHAS. BLACK, Hightstown, N. J.

Please mention the American Florist when writing.

Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and descriptions of varieties hardy and of merit. Also information regarding Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-day. Free on application.

Peterson Nursery, 503 W. Peterson Ave., Chicago.

Please mention the American Florist when writing.

Special Offer: CLEMATIS, LILIUM AURATUMS, GLOXINIAS and BEGONIAS.

CLEMATIS, 2 years old, No. 1. Per 100
Jackman, 2 years old, No. 1.....\$12.00
20c each in smaller quantities.

Henryll, 2 years old, No. 1 18.00

20c each in smaller quantities.

Mme. Edward Andre, 2 years old, No. 1..... 19.00

20c each in smaller quantities.

CLEMATIS, 2 years old, No. 1½. Per 100

Jackman, 2 years old, No. 1½\$12.00

15c each in smaller quantities.

Henryll, 2 years old, No. 1½..... 12.00

15c each in smaller quantities.

Mme. Edward Andre, No. 1½..... 15.00

17c each in smaller quantities.

LILIUM AURATUMS. Per 100

Sound, medium sized bulbs.....\$4.00

50c each in smaller quantities.

Medium to large bulbs..... 5.00

60c each in smaller quantities.

GLOXINIAS, large sized in fine condition,

four separate colors..... 4.00

50c each in smaller quantities.

BEGONIAS, Tuberous Rooted, small bloom-

ing bulbs, \$8.00 per 1000..... 1.00

V. H. HALLOCK & SON, Queens, N. Y.

EVERGREENS Large Assortment.

Specialties—White Pine, Hemlock and Large Evergreens. Spring List for details.

Andorra Nurseries,

Wm. Warner Harper, Prop. CHESTNUT HILL, PA.



Send to THE MOON Company

For Trees, Shrubs, Vines
Your and Small Fruits.

Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.
Morrisville, Pa.

700,000 Cal. Privet

	Per 100	1000
3 yrs., 2½ to 3 ft., extra heavy.....	\$3.25	\$28.00
3 yrs., 2 to 2½ ft., well branched.....	2.50	23.00
3 yrs., 18 to 24 in., ".....	2.00	15.00
3 yrs., 12 to 18 in., 4 to 8 branches.....	1.50	10.00
2 yrs., 3½ to 4 ft., very heavy.....	3.00	25.00
2 yrs., 2½ to 3 ft., well branched.....	2.25	18.00
2 yrs., 2 to 2½ ft., ".....	2.00	15.00
2 yrs., 2 to 2½ ft., 3 to 6 branches.....	1.50	10.00
2 yrs., 18 to 24 in., 5 to 8 ".....	1.50	10.00
1 yr., 14 to 20 in., 2 to 4 ".....	1.25	7.00
1 yr., 10 to 14 in., 1 to 2 ".....	1.00	5.00
Cuttings, strong.....	.75	
Tree form, 3 yrs., heads 4 to 5 feet.....	25c	each

All the above plants have been transplanted and cut back except one year, which makes them a clean, good stock. Parties wanting 5,000 or over, will write and get better rates.

River View Nurseries

J. H. O'HAGAN.

LITTLE SILVER, N. J.

THE AMERICAN FLORIST.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

Life is mostly froth and bubble,
Two things stand like stone—
Kindness in another's trouble,
Courage in your own.

At Philadelphia.

Twenty-six gunners faced the traps in the semi-monthly target shoot at the Florists' Gun Club April 11, at Wissinoming. Most of the marksmen made fair scores, but considering the ideal conditions for shooting, the forty scores or better in the club shoot were decidedly small.

The veteran John Brewer reappeared after an absence of six years from the local traps, and led in the club shoot by breaking 45 out of 50 targets. McCarty finished second, with 43, leading Class A. Depew led Class B with 41, and Beavan Class C with 32. Scores:

Club shoot, 50 targets, class classification—Brewer, 45; McCarty, 43; Sanford, 41; Harrison, 41; Depew, 41; F. Coleman, 40; Stevens, 39; Riplong, 39; Titlow, 39; Smith, 39; Shew 38; Harley, 37; Mack, 35; Bryan, 34; Bell, 34; Emerson, 33; Beavan, 32; Flick, 32; Hyslop, 31; Terry, 31; Chadbourne, 30; Wilson, 30; Holt, 26; Haywood, 29.

Special sweepstake event, 10 targets—Chadbourne, 7; Beavan, 7; Hyslop, 7; Mack, 7; Thomas, 2; Depew, 8.

Event No. 2, 10 targets—Stevens, 10; Harrison, 8; Bell, 7; Shew, 7; Jones, 7; Flick, 6; Westcott, 8; Haywood, 8; Emerson, 8; Titlow, 7.

Event No. 3—Brewer, 10; F. Coleman, 10; Sanford, 8; McCarty, 8; Harley, 6; Chadbourne, 7; Beavan, 7; Stevens, 8; Harrison, 8; Bell, 3; Jones, 8.

Event No. 4, 10 targets—Depew, 10; Sanford, 10; Chadbourne, 8; Harley, 8; Jones, 8; F. Coleman, 9; McCarty, 8; Bell, 3; Beavan, 7.

Shoot-off of ties, miss-and-out—Brewer, 8; Stevens, 7; Sanford, 4; Depew, 2.

San Francisco.

MARKET OVERSTOCKED—PRICES LOWER.

There has been such a great quantity of stock coming into the market the past week that prices have taken quite a slump. There is a very large cut of roses coming in, in fact, there are more roses in the market at present than there has been for many months past. As a rule, the majority of the stock is of indifferent quality. Carnations, too, are becoming a drug and can be had at almost any price. The extremely warm weather has not improved the quality of the bloom either. A great lot of Enchantress arriving are decidedly off color, as are Lawson. Red carnations are not overplentiful, but there is practically no demand for them. By the way, a number of our leading growers are complaining about the non-receipt of this year's novelties from the eastern specialists. The writer knows one grower who placed an order a year ago

for some novelties, and as yet they have not been shipped. I have heard many similar complaints. There are plenty of outdoor tulips and of fairly good quality coming in, but bulbous stock of all kinds is moving slowly. Great quantities of outdoor roses are having a depressing effect on the market also. Ferns, smilax and all greens are scarce and bringing good prices. It seems that there is going to be a marked scarcity of greens for Easter. Harrisii still continue in ample supply and hold out at fair prices. Sweet peas are not as plentiful as in former years. For some reason they seem very backward this season and many more could be used if in supply. We note very few of the newer varieties, the growers still clinging to the older standard varieties. There is a good opening for some grower to take up the magnificent new sweet peas next season, and why not, when they are as easily grown as the old discarded varieties?

The meeting of the Pacific Coast Horticultural Society held Saturday, April 8, to discuss the question of "Japanese Competition," was one of the most largely attended and enthusiastic in its history. The writer noted a marked absence of retail florists. We must have the retailer with us strongly to attain our purpose, and it is to be hoped that they will appear more numerous than on Saturday night. The committee appointed to look into the matter made a very exhaustive report, which was well received. H. Plath, state vice-president of the S. A. F., addressed the members and made a most convincing argument on the subject, "Japanese Competition." He showed much thought and study on the question and urged the different horticultural societies throughout the state to co-operate in a petition to their representatives in Congress for the exclusion of Japanese labor. Notices have been sent to all the members to be present at the next meeting, when the matter will be further discussed.

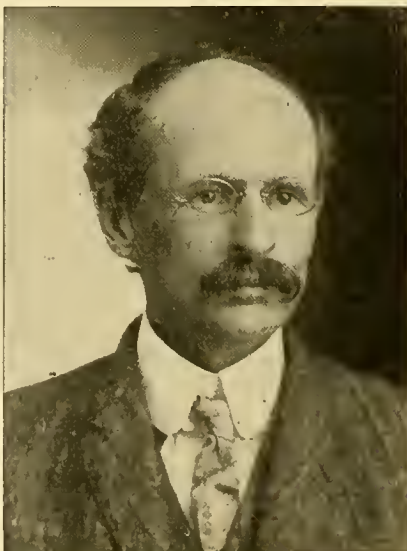
The meeting which was held April 3 at the offices of P. C. Meyer & Company, the wholesale florists, for the object of forming an association for the mutual benefit of all the wholesale growers, was well attended by most of the growers. The object of the meeting was discussed and the following committee was appointed to draft a constitution and by-laws: Sidney Clack, of Menlo Park; H. Plath, of Colma; P. C. Meyer, of Burlingame; L. Ferrari and R. Schwerin, of San Francisco. The committee met on April 5 and decided to call a general meeting after Easter, when the constitution will be submitted to the members. All growers of cut flowers are requested to be present. It is for the benefit of all, so we look for a good attendance at the next meeting. The thanks of the growers in general should be extended to P. C. Meyer for his untiring efforts to make this organization a permanent one.

Perhaps the most elaborate display of funeral work ever seen in California was at the funeral of the late Mrs. Stanford last week. Prominent among the vast array of floral designs was a massive reproduction of the memorial arch of the university. It was an enormous affair and was splendidly executed by Pelicano. Mills had a very large design representing the chapel. Sievers had several magnificent designs composed of cattleyas. Many of the pieces were so large that the florists in town had to go to Palo Alto to make them on account of being unable to get them into the express cars.

The Garden City Pottery Company is making quite an extensive addition to its plant owing to the increasing demand for their flower pots.

The citizens of the town of San Rafael are making great preparations for their flower carnival to be held in May. It is proposed to make it the finest in the history of the city.

Frank Hutchinson is now head gardener at the Taylor estate at Menlo Park, succeeding J. Brown. NORMA.



NEW CROP Fancy Ferns

Now Ready.

125,000

DAGGER FERNs

Ready May 1.

ONE DOLLAR PER THOUSAND.

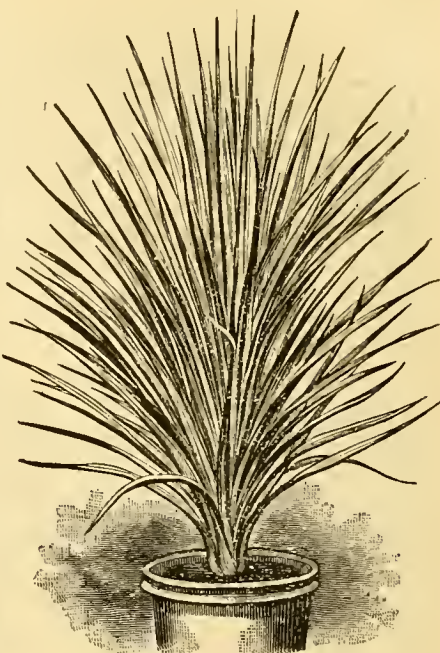
CALDWELL THE WOODSMAN CO.
Evergreen, Ala.

We Want to Move

Variety.	Size	Height	Leaves	Each	Dozen	100
Kentia Beimoreana.....	3 1/4	12-14	5-6		\$ 2.00	\$15.00
" ".....	4	15-17	5-6		3.00	25.00
" ".....	6	24-26	6-7	1.50	18.00	.....
" ".....	7	34-36	6	2.50	30.00	.....
" ".....	10	46-50	7-8	7.00	.....	.....
Kentia Forsteriana.....	6	28-30	5	1.25	15.00	.....
" ".....	7	32-36		2.00	24.00	.....
" " single.....	8	34-38	5-6	2.50	30.00	.....
" ".....	10	48-56	6-7	7.00	.....	.....
Lafania Borbonica.....	2				.75	5.00
" ".....	3				1.00	7.00
" ".....	3 1/4	11-13	4-5	.....	1.50	12.00
" ".....	7	26-30	7	1.00	12.00	.....
" ".....	8	30-34	7-8	1.25	15.00	.....
Phoenix Canariensis.....	8	38-42	10-12	3.00	.....	.....
Ficus Elastica.....	4	10-12		.25	3.00	.....
" ".....	5	16-20		.35	4.50	.....
Araucaria Excelsa.....	4	trs.	2-3	.50	6.00	.....
" ".....	5	trs.	3-5	.75	9.00	.....
" ".....	6	trs.	3-5	1.25	15.00	.....
" " Compacta.....	6	trs.	3	2.00	.....	.....
Cocos Weddelliana.....	3				2.50	.....
Pandanus Uliis.....	3				2.00	.....
" ".....	5				5.00	.....
" ".....	6				9.00	.....

Variety	Size	Each	Dozen	100
Poa Triv. Var., for ferneries.....	3	.....	\$ 6.00	.....
Crotons.....	3	.....	\$1.50	.....
" ".....	4	.....	3.00	.....
Cibotium Scheidii.....	6	1.50	18.00	.....
" ".....	7	2.00	24.00	.....
Adiantum Cuneatum.....	2	.....	3.00	.....
" ".....	3	.....	1.00	8.00
" ".....	4	.....	1.50	12.00
" ".....	5	.....	2.00	15.00
Dracaena Fragrans.....	4	.....	3.00	.....
" ".....	5	.....	5.00	.....
" ".....	7	.....	9.00	.....

Variety	Size	Each	Dozen	100
Dracaena Massangeana.....	5	\$1.00	\$12.00	.....
Asparagus Plumosus.....	2	.....	\$ 3.00	.....
" ".....	3	.....	1.00	8.00
" ".....	4	.....	1.50	12.00
" Sprengeri.....	3	.....	.75	8.00
" ".....	4	.....	1.50	10.01
" ".....	5	.....	2.00	15.00
" ".....	6	.....	3.00	20.00
Dracaena Ter., height, 22-24.....	6	.75	9.00	.....
Fittonia Verschaffeltii.....	2	.....	\$5.00	.....
Fine for ferneries.				



DRACAENA INDIVISA.

Variety	Size	Each	Dozen	100
Dracaena Indivisa.....	4	.....	\$1.50	\$10.00
" ".....	5	.....	3.00	.....
" ".....	6	.....	5.00	.....
Marante Massangeana.....	2	.....	.....	5.00
Fine for ferneries.				

We have a fine lot of Dracaena Indivisa as quoted in List.

The GEORGE WITTBOLD COMPANY, 1657-1659 Buckingham Place, CHICAGO.

H. WEBER & SONS

Announce the completion of arrangements whereby they will, beginning in January 1906, disseminate jointly with

THE E. G. HILL CO.

THEIR TWO GRAND NEW CARNATIONS

My Maryland and Jessica

My Maryland is already well and favorably known, having been exhibited freely at the various flower shows and florist club meetings the past Fall and Winter, and in every case elicited the highest praise and most favorable comment. We pick this variety to quickly and easily displace all other whites for first honors, not only in exhibition, but in commercial points as well. We claim for it a robustness of constitution quite unequalled in any other variety and an ease of culture that will delight the heart of the grower. The great vigor of both parents (Norway Lawson) seems united and improved upon in this variety.

Both of the above are free propagators. We are thoroughly familiar with them and know what they will do. We will be in a position to deliver stock early and on time, and assure the trade that no disappointment will result on that score. We have already booked many orders. It pays to be early. Orders booked are subject to cancellation by the buyer if unsatisfied with either variety up to the time the cuttings are received.

PRICE: \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

WEST OF PENNSYLVANIA, address

EAST OF OHIO, address

E. G. HILL CO., Richmond, Ind. H. WEBER & SONS, Oakland, Md.

CHRYSANTHEMUMS

Strong Rooted Cuttings and Plants

EARLY. Yellow.—R. Halliday, Monrovia. White.—Polly Rose, Mme. Bergman, Ivory, Willowbrook, Geo. S. Kalb. Pink.—Glory of Pacific, Pink Ivory Lady Harriet, Montmart.

MIDSEASON. Yellow.—Maj. Bonaffon, Co. Appleton, Yellow Eaton, Percy Plumridge. White.—Mrs. H. Robinson, Mrs. Weeks, T. Eaton. Pink.—Mlle. Liger, Mrs. Probin. Red.—Black Hawk, Mrs. Coombes.

LATE. Yellow.—W. H. Lincoln, H. W. Riegan. White.—Mrs. J. Jones, Yanoma. Pink.—Maud Dean.

Rooted Cuttings, \$1.50 per 100; \$12.50 per 1000. **Plants** from 2 1/4-in. pots, \$2.50 per 100; \$20 per 1000.

These are all good standard varieties. Only strong healthy plants used for stock. All outtings and plants guaranteed strictly up in quality.

TERMS: Cash or satisfactory references.

Baur Floral Co., Erie, Pa.

Asparagus Plumosus.

From 4-in., at \$12.50 per 100; 3 1/4-inch, \$10.00; 3-inch, \$7.00; 2 1/4-inch, \$4.00 per 100.

Asparagus Sprengeri, 4-inch, \$8.00; 3-inch, \$5.00 per 100.

Alyssum, (Sweet), double and the dwarf, from 2 1/4-inch, \$3.00; 3-inch, \$4.00 per 100.

Ageratum, Stella Gurney Princess Pauline and Snowball, from 2-in., \$2.00 per 100.

Cannas, Chas. Henderson, Burbank, Mme. Crozy, F. Vaughan, Egandale, Bouvier, from 4-inch, \$8.00 per 100.

Coleus, from 2-inch, Golden Bedder, Verschaffeltii and mixed in many varieties, \$2.00 per 100.

The stock offered here is all A No. 1. Send in a trial order and be convinced. Please do not send personal checks. Remit by P. O. M. O., Express M. O. or drafts.

CATION GREENHOUSE CO., 401 Fifth Ave., Peoria, Ill.

SUCCESSFUL SELLERS.....

are the Successful growers who advertise in

THE AMERICAN FLORIST.

St. Paul, Minn.

Stock is now coming in rather faster than it is sold, which has not been so at any time during the whole season. While business is fair, nothing unusual has happened to stimulate it in the past two weeks. A good call for blooming plants is the rule. Dutch hyacinths have sold better this season than in former years. There will be more lilies on the market this Easter than usual, but the price will be kept up well. There will be an abundance of other good plants, among them being Baby Rambler, which people take to very well.

NOTES.

Charles Keiper, in West St. Paul, has an elegant lot of cinerarias, some that will measure 2½ to 3 feet across, and in perfect shape. Mr. Keiper has located outside of the city limits but very close to the Rice and State street car line. He only started to build the 15th of last September, but has already three houses full of good spring stuff. He has also built a very nice residence on the same place. Mr. Keiper will put up two or three new houses this summer.

Warrendale Floral Company have an extra fine lot of lilies, the best the writer has seen.

Swanson Floral Company have had their store redecorated very nicely.

A recent caller was Mrs. C. S. Ford, of Philadelphia. O.

Cyclamen Plants, once transplanted, \$2.00 per 100; \$18.00 per 1000. Twice transplanted, \$3.00 per 100; \$25.00 per 1000. Seed of only selected flowers and well built stock; none better.

C. WINTERICH, Defiance, O.

Grand Rapids Violet Stock

Clumps from the bench of M. Louise, Imperial and Princess of Wales, \$5.00 per 100; \$10.00 per 1000; Rooted Cuttings, \$10.00 per 1000; Pots, \$2.50 per 100; \$20.00 per 1000. Rooted Cuttings of Campbell, \$5.00 per 1000.

CRABB & HUNTER, GRAND RAPIDS, MICH.

Transplanted Violet Layers,

Princess of Wales, \$1.50 per 100; \$10.00 per 1000. Clematis, large flowered, red, white and purple, good two-year, home-grown, 25c; \$2.00 per doz.; \$15.00 per 100.

Paniculata, strong, \$1.00 per doz.; \$8.00 per 100; 2½-in. dots, 75c per doz.; \$4.00 per 100.

F. A. BALLER, Bloomington, Ill.



Verbena King

VERBENAS—Rooted cuttings, 60c per 100; \$5.00 per 1000.

SALVIAS—Bonfire and St. Louis, the two best of them all, \$1.00 per 100; \$8.00 per 1000.

ALTERNANTHERAS—70,000 red and yellow, Sept. struck, equal to 2-in.; these are fine; 60c per 100; \$5.00 per 1000.

HELIOTROPES—The best named varieties, \$1.00 per 100; \$8.00 per 1000.

COLEUS—Thirty named leading varieties, 70c per 100; \$6.00 per 1000.

PETUNIAS—Klug's Double White, the great bloomer, fine for cut flower work, \$1.25 per 100; \$10.00 per 1000.

CUPHEA—(Cigar Plant), \$1.25 per 100; \$10.00 per 1000.

SWEET ALYSSUM—Oor big double giant, \$1.00 per 100; \$8.00 per 1000.

LANTANAS—5 best varieties, \$1.25 per 100; \$10.00 per 1000.

We prepay express charges on all rooted cuttings, and guarantee satisfaction and safe arrival. Write for prices on large lots; also send for list of rooted cuttings.

C. HUMFELD, Clay Center, Kan.
The Rooted Cutting Specialist.

THE FINE NEW PINK ROSE

LA DETROIT

	Per 100	Per 1000
2½-inch	\$ 8.00	\$ 75.00
3½-inch	12.00	100.00

THREE FINE

SNAPDRAGONS

White, Pink and Yellow.

\$6.00 per 100 \$50.00 per 1000

The Three Grand New Chrysanthemums

MAJESTIC, ADELIA and MADONNA

	Per dozen	Per 100
2-inch	\$3.00	\$15.00

WHITE LAWSON

From 2-inch pots.

\$6.00 per 100 \$55.00 per 1000

JOHN BREITMEYER'S SONS,
DETROIT, MICH.

Please mention the American Florist when writing

CARNATIONS Rooted Cuttings Ready Now except as noted.

Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Chicago White. Rudd's New White. Very productive. Sells well in Chicago market where it is well known and liked. \$12.00 per 100; \$100 per 1000. Strong plants from soil.

Robert Craig. Grand Scarlet. Orders booked now for delivery January, 1906. \$12.00 per 100; \$100 per 1000.

White Lawson. White Sport from Mrs. Lawson, and all who grow Mrs. Lawson well should grow this for white. \$7.00 per 100; \$60.00 per 1000. Strong plants from soil.

	Per 100	1000
Cardinal , new scarlet	\$12.00	\$100.00
Crisis , new scarlet	12.00	100.00
Crusader , red	5.00	40.00
Dahelm , crimson	6.00	50.00
Eclipse , Dorner's pink	12.00	100.00
Flamingo , scarlet	6.00	50.00
Indianapolis , pink	\$5.00	\$40.00
Mrs. Lawson , pink	3.00	25.00
Richmond Gem , new scarlet ..	10.00	75.00
The Belle , white	6.00	50.00
Vesper , white	5.00	40.00
Variegated Lawson , variegated	12.00	100.00
White Swan , new white	10.00	80.00

VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Western Springs, Ill.

Chrysanthemums.

Dr. Englehard, Wm. H. Duckham, from 2½-in. pots, at \$10.00 per 100. \$1.50 per doz.

Miss Alice Byron, from 2½-in. pots, at \$4.00 per 100; \$35.00 per 1000.

General Assortment.

The following from 2½-in. pots, \$3.00 per 100; \$25.00 per 1000.

Rooted cuttings, \$2.00 per 100; \$15.00 per 1000.

WHITE. Early—George S. Kalb, Polly Rose, Willowbrook. Mid-Season—Miss Minnie Wagonmaker, Ivory, Mrs. H. Robinson, Niveus, Queen. Late—Mrs. McArthur, Timothy Eaton, W. H. Chadwick.

PINK. Early—Glory of the Pacific. Mid-Season—Pink Ivory, J. K. Shaw, Adela, Mrs. Perrin, A. J. Balfour. Late—Maud Dean, Lavender Queen, The Harriott.

YELLOW. EARLY—Monrovia. Mid-Season—G. Pitcher, Col. D. Appleton, Golden Gate. Late—Major Bonaffon, Mrs. Trenor L. Park.

RED. Cullingford. **BRONZE.** Kate Broomhead.

A. N. PIERSON,

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW.

THE AMERICAN FLORIST.

Roses.

Grafted and own root stock of the following varieties of Roses: **IVORY**, Bride, Bridesmaid, Meteor, Madame Hoste, Golden Gate, Mrs. Pierpont Morgan, Mme. Abel Chatenay.

Grafted, \$15.00 per 100; \$120.00 per 1000; for A No. 1 stock; nothing else will be sent out.

The above varieties on their own roots, from 2½-in. pots, \$5.00 per 100; \$45.00 per 1000.

Sunrise. On own roots, from 2½-in. pots, \$8.00 per 100; April, May and June delivery.

American Beauty. Own roots, from 2½-in. pots, \$8.00 per 100 \$75.00 per 1000. 3 in. stock, \$12.00 per 100; \$10.00 per 1000. April, May and June delivery.

EXTRA FINE KILLARNEY GRAFTED in 2½-in. pots, \$25.00 per 100. Special prices for larger quantities on application.

Carnations.

Rooted cuttings now ready of all reliable and well-known varieties. Send for price list.

Cromwell, Conn.

Carnations

WHITE.	Per 100	Per 1000
Chicago White.....	\$10.00	\$120.00
Boston Market.....	2.50	20.00
The Belle.....	5.00	45.00
Flora Hill.....	1.00	9.00
Queen Louise, Fern.....	1.00	9.00

RED.	Per 100	Per 1000
Estelle.....	2.50	20.00

SCARLET.	Per 100	Per 1000
Richmond Gem.....	\$10.00	\$75.00
Crusader.....	5.00	45.00
Adonis.....	2.50	20.00

PINK.	Per 100	Per 1000
Phyllis.....	\$10.00	\$120.00
Indianapolis.....	5.00	45.00

PINK.	Per 100	Per 1000
Nelson.....	\$ 1.50	\$11.50
Lawson.....	2.00	15.00
Morning Glory.....	1.50	12.50
Joost.....	1.00	9.00
Higinbotham.....	1.00	9.00
Guardian Angel.....	1.00	9.00

ROSES. 2½-inch pot plants.

	Per 100	Per 1000
Richmond.....	\$30.00	\$250.00
Rosalind Orr English.....	25.00	200.00
CHATENAY.....	3.00	25.00
Perle von Godesberg.....	5.00	40.00
Liberty.....	5.00	45.00

	Per 100	Per 1000
Amerloan Beauty.....	\$ 6.00	\$50.00
La Detroit.....	6.00	50.00
UNCLE JOHN, KAISERIN.....	3.00	25.00

	Per 100	Per 1000
Bridesmaid.....	\$ 3.00	\$ 25.00
Bride.....	3.00	25.00
Ivory, Perle.....	3.00	25.00

AM. BEAUTY BENCH PLANTS, per 100.....\$6.00; per 1000.....\$50.00

All plants and rooted cuttings sold under the express condition that if not satisfactory they are to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Casalers, Odier and Trimardeau. Stocky plants from cold frame, 50c per 100; \$3.00 per 1000. Extra large plants coming in bud, \$1.00 per 100.

Mammoth Verbenas, 60c per 100; \$5.00 per 1000; 2½ in., \$1.50 per 100.

Stocks, dbl. white for Easter, \$1 per 100; \$3 per 1000.

Daisies, dbl. white, 75c per 100; \$5.00 per 1000.

Feverfew, dbl. white, \$1.00 per 100; \$8.00 per 1000.

Salvia Splendens, \$1.00 per 100.

Lobelia dwarf blue, \$1.00 per 100.

Ageratum, dwarf blue, 60c per 100.

Geraniums, Nutt, Ricard, La Favorite, Visand and Pottevine, 4-in., in bud and bloom, \$6.00 per 100.

Petunias, double fringed; dark blue Heliotropes, bud and bloom, 4-inch, \$6.00 per 100.

HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y.
Please mention the American Florist when writing.

WHITE LAWSON which we introduced last season has given great satisfaction, and has proved to be The Finest White Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be filled strictly in rotation as received, so the earlier orders are booked the earlier deliveries can be made. We can supply First-class strong rooted cuttings, \$7 per 100; \$60 per 1000. Also the other novelties of the season—Fiancee, Cardinal, Fred Burki, etc. Also the cream of older sorts—Mrs. M. A. Patten, Daheim, Enchantress, Flamingo, Mrs. Thos. W. Lawson, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

ROOTED CUTTINGS

Carnations and Chrysanthemums. Strong soil plants of Lady Campbell Violets. Send for list.

WM. SWAYNE

Box 226, KENNETT SQUARE, PA.

Please mention the American Florist when writing.

New Rose Wellesley

Own root plants. \$25.00 per 100.

Waban Rose Conservatories

JOHN N. MAY, Summit, N. J. Natick, Mass.

ROSES.

Don't forget Roses. If you have not the room, order them grown up to 3-inch for you. It pays.

CHRYSANTHEMUMS.

A fine lot in the sand, and a lot of 2-inch. Write

GEO. A. KUHLE, Pekin, Ill.

CARNATIONS

SPECIAL PRICES.

	Per 1000		Per 1000
Queen Louise.....	\$ 7.50	Mrs. E. A. Nelson.....	\$10.00
Floriana.....	7.50	Harry Fenn.....	10.00

50,000 Queen Louise ready now, the others the latter part of April and early in May.

GERANIUMS.

Big lot of rooted cuttings ready the 17th. Send for Summer Price List.

SMILAX.

If you buy 25 plants or 25,000 send for prices. I have SMILAX and ASPARAGUS in any quantity, well-grown and carefully packed.

ALBERT M. HERR, Lancaster, Pa.

READY NOW

Gen. MacArthur.

THE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.

2½-inch Pot Plants, own roots.....\$10.00 per 100, \$80.00 per 1000

Strong Grafted Stock from 3-inch pots.....\$12.00 per 100

The STORRS & HARRISON CO.

PAINESVILLE, OHIO.

Geraniums

	Per 100
10 varieties, fine plants, 2½-in. pots.....	\$3.00
10 varieties, fine plants, 3½-in. pots.....	4.00
Alternantheras, red and yellow.....	2.00
Asp. Plumosus Nenus, 2½-in. pots.....	2.00
Asp. Sprengeri, 2½-in. pots.....	2.00
Verbenas.....	2.00
Vinea Vine, Var.....	2.50

CASH or C. O. D.

COLEUS....

	Per 100
12 varieties, 2½-inch pots.....	\$2.00
Petunias, double.....	3.00
“ seedlings.....	2.50
Centaurea Gymnocarpa.....	2.00
Primroses, Chinese, Obconica and Forhesi July 1.....	2.00
Cannas, 10 varieties, 4-in. pots.....	5.00

JOS. H. CUNNINGHAM, Delaware, Ohio.

Rooted Cuttings

Prepaid per 100.

AGERATUM, Gurney. ALTERNANTHERAS, best red and yellow, 50c; \$4.00 per 1000. COLEUS, best bedders, 60c. FUCHSIA Trophee and other good sorts, \$1.00. SALVIA Bonfire and Splendens, 90c. HELIOTROPE, blue. PETUNIA, 10 best sorts, \$1.00.

ALTERNANTHERAS. Best red fine 2-inch, \$1.75 by express.

BYER FLORAL CO., Shippensburg, Pa.

ASPARAGUS PLUMOSUS

Nice stock from 2-in. pots, \$2.25 per 100; \$20.00 per 1000; not less than 500 at 1000 rates.

Rubbers, fine plants, 5-in. pots, \$3.00 per doz.

Cannas. We have 5,000 from 3-in. pots, ready May 1, at \$5.00 per 100, in 20 best varieties.

W. W. GOLES, Kokomo, Ind.

Please mention the American Florist when writing.

Columbus, Miss.

Business has outgrown the 35,000 square feet of glass, at T. G. Owen's establishment, which covers all the land he has at present location, and he has recently bought thirty-six acres of very rich land just on the edge of the city which for more than fifty years has been used as pasture, dairy and truck gardening. This place has an artesian well and soil well adapted for the growth of cut flowers. He has started the erection of a range of houses of 40,000 square feet which will be up to date in every respect. The sash bars, gutters and ventilating sash are furnished by the A. T. Stearns Lumber Company. The posts will be red cedar, the siding and bench material heart cypress. The new range will be planted in carnations. Both places will be run the coming winter but early next spring the older houses will be moved to the new location, making this place the largest and best equipped place in the south.

MASON CITY, IA.—The office of the Ideal laundry is one of the most attractive spots on Main street. Flowers, plants and vines are seen here the year round.



Dahlias

Mrs. Winters

The beautiful new white is still queen of the world, strong tubers, \$10.00 per 100.

Ingeborg Egeland the leading scarlet cactus, \$3.00 per doz.; \$20 per 100. Other novelties and standards. Also double field-grown Hollyhocks, true to color, \$3.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.

W. W. WILMORE, Dahlia Specialist,
Box 382, DENVER, COL.

Please mention the American Florist when writing.

ROOTED CARNATION CUTTINGS.

PINK		Per 100	Per 1000
Enchantress.....	\$3.00	\$25.00	
Fair Maid.....	2.50	20.00	
Alpine Glow.....	2.50	20.00	
Lawson.....	2.00	15.00	
Nelson.....	2.00	15.00	
RED			
Flamingo.....	6.00		
Estelle.....	2.50	20.00	
WHITE			
Lady Bountiful.....	5.00		
Vesper.....	5.00		
Bride.....	5.00		
Mackinac.....	5.00		
Moonlight.....	4.00		
Queen.....	2.50	20.00	
Queen Louise.....	2.00	15.00	
Boston Market.....	2.50	20.00	
MISCELLANEOUS		Per 100	
Judge Hinsdale.....	\$4.00		
Mrs. Patten.....	5.00		
Prosperity.....	2.50		
Harlowarden.....	3.00		

We can furnish Cuttings of all the Standard Varieties.

The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.

CARNATIONS and CHRYSANTHEMUMS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Lady Bountiful.....	\$ 6.00	\$ 50.00	Enchantress.....	\$ 3.00	\$ 25.00
White Lawson.....	6.00	50.00	Mrs. Lawson.....	2.00	15.00
Moonlight.....	4.00	30.00	Marshall Field.....	3.00	25.00
Crusader.....	5.00	40.00	Prosperity.....	2.00	15.00
Cardinal.....	12.00	100.00	Lieut. Peary.....	12.00	100.00
Harlowarden.....	2.00	15.00			

CHRYSANTHEMUMS.

	Per 100	Per 1000		Per 100	Per 1000
Maj. Bonaffon, yellow.....	\$2.00	\$15.00	M. Liger, pink.....	2.00	15.00
Robinson, white.....	2.00	15.00	Wm. Duckham, pink.....	3.00	25.00
Glory of Pacific, pink.....	2.00	15.00	Same varieties from 2 1/4-inch pots, \$1.00 per 100 extra.		
Estelle, white.....	3.00	25.00			

Chicago Carnation Co.

JOLIET, ILLINOIS.

ROSES.

A COMPLETE LIST OF ALL THE FORCING VARIETIES BOTH NEW AND OLD. WRITE FOR PRICES.

JOHN N. MAY,

Summit, New Jersey.

Easter Stock

IN EASTER LILIES,
HYDRANGEAS, GENISTAS,
SPIRAEA GLADSTONE,
RHODODENDRONS.

Palms, Ferns and
Decorative Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

THE HORTICULTURAL TRADE JOURNAL.

The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also

THE INTERNATIONAL HORTICULTURAL

TRADE JOURNAL.

Published quarterly. Both mailed post free for one year for One Dollar.

—PUBLISHERS:—

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

ROOTED CUTTINGS

HELIOTROPE, 12 var., \$1.00 per 100; \$8 per 1000.
PETUNIAS, 20 var., \$1.25 per 100; \$10.00 per 1000.
SALVIA, 6 var., \$1.00 per 100; \$8.00 per 1000.
GIANT ALYSSUM, \$1.00 per 100; \$8.00 per 1000.
AGERATUM, 4 var., 60c per 100; \$5.00 per 1000.
COLEUS, 40 var., 70c per 100; \$6.00 per 1000.

Express prepaid on all R. C. Cash with orders. Write
S. D. BRANT, Clay Center, Kan.

Wholesale TRADE LIST.

Asparagus Plumosus Sprengeri and Decumbens, 3 inch pots, 75c. per doz., \$5.00 per 100.
Ampelopsis Velutina, 3-inch pots, 75c. doz., \$5.00 per 100; 4-inch \$1.50 per doz., \$10.00 per 100.
Clematis, la ge flowering variety, 2 years old, 5-inch pots \$3.00 per doz.
Dracena Indivisa, 3-in., 75c per doz., \$5.00 per 100; 4 1/2-in. pots, \$2.00 per doz.; 6-in. pots, \$3.00 per doz.
Ceraniums, scarlet, pink and white, 3-inch pots. 60c. per doz., \$4.00 per 100.
Honeycuckle (Halleana), 5-inch pots, \$1.50 per doz.; \$10.00 per 100.
Ivy, hardy, large leaves, 3-inch, 75c. per doz., \$5.00 per 100; 4 in. pots, \$1.50 per doz.; \$10.00 per 100.
Moon Vines, 3 in. pots, 75c. per doz., \$5.00 per 100.
Vines, Variegated, 3-in., 75c per doz., \$5.00 per 100 4 1/2-in. pots, \$1.50 per doz., \$10.00 per 100.
Myosotis, clumps from open ground, 60c. per doz.; \$4.00 per 100.
Pansies, separate colors, yellow, white and blue, \$2.00 per 100.
Poinsettias, stock plants, dormant, 5-inch pots, \$1.50 per doz., \$10.00 per 100.
Stock from 2 1/4-in. pots, \$3.00 per 100.
Asparagus Plumosus, Comorensis, Sprengeri and Decumbens, Alyssum, Little Gem, Antirrhinum, white; Abutilon Savitzi; Ageratum, blue and white; Coleus, Verschaffeltii, Golden Bedder and fancy varieties, Cobaea scandens, Clematis paniculata, Dracena indivisa, Fuchsias, double and single; Feverfew, Little Gem, Geranium Mme. Salleri (strong) and Mrs. Parker; Lobelia, dwarf blue Nasturtium, dwarf; Petunias, double white; Phlox Drummondii, dwarf; Salvia, Sansevieria Zeylanica, Swainsona alba, Verbenas, mammoth varieties, Impatiens Sultan.
Chrysanthemums, best standard varieties, rooted cuttings, from soil, \$2.00 per 100.
Carnations, pot grower, 100: Enchantress, \$4.00, Boston Market, \$2.50; Red Sport, \$6.00; Flamingo, \$6.00; The Queen, \$3.00; Mrs. Fisher, \$3.00 Strong rooted cuttings from soil, per 100: Flora Hill, Queen Louise, Scott Joost, Crocker, \$1.50; Crane, \$2.00; Enchantress, \$3.00.
Carnations, for summer flowering, Mr. Fisher, white; Vulcan red, from soil, \$2.00 per 100.
Clematis paniculata, 4-in., \$1.50 per doz.; \$ 0.00 per 100.

C. Eisele, 11th & Jefferson Sts.
PHILADELPHIA, PA

ROSES

Fine, Clean Stock, from 2½-in. pots.

Maman Cochet	Marie Van Houtte
White Cochet	Gruss an Teplitz
Yellow Cochet	F. Kruger
Hermosa	Perle des Jardins
Marchal Niel	Mme. Welche
Meteor	Safrano
Climbing Meteor	Lamarque
Burhan	White La France
C. Souper	Striped La France
Etoile de Lyon	Climbing Wootton
Ivory	Sou. de Wootton
Golden Gate	Duke of Albany
Bride	Helen Gould
Bridesmaid	Papa Gontier
Duch. de Brabant	Chatenay
Bon Silene	Polkestone
Agrippina	Media
Pillar of Gold	Antoine Rivoltre
Solfaterre	Malmaison
Marie Guillot	Clara Watson

\$2.50 per 100. \$20.00 per 1000.

Packing light and free, and satisfaction guaranteed. Terms cash. Please do not send personal checks.

R. H. MURPHEY & SON

URBANA, OHIO.

Please mention the American Florist when writing.

Double Petunias.

Extra fine, 2-inch, 2c.

PARIS DAISY, Giant 2-inch, 2c.
DOUBLE DAISIES, Snowball, Longfellow, \$2.50 per 1000, in bud and bloom.

ABUTILONS, 2 varieties, 2½-inch, 2½c.

GERMAN IRIS, divided roots, \$1.00 per 100.

COLEUS, 15 kinds, 2-in. 2c.

HELIOTROPE, blue, 2-inch, 2c.

STEVIA, serrata and Variegata, 2-inch, 2c.

STYLIS, 3 kinds.

FORGET-ME-NOT, Everblooming, 2-in. 1½c.

RUDBECKIA, divided roots, \$1.00 per 100.

COROPSIS, Lancifolia, field, 2c.

ACERATUM, Gurney, Pauline, **ALTERNANTHERA**, red and yellow, 2-inch, \$2.00 per 100.

ALYSSUM, Giant double, 2-in., 2c.

Rooted Cuttings, per 100, prepaid: **Heliotrope**, 75c. **Ageratum**, Gurney, Pauline, 50c. **Salvia**, Splendens, Bonfire, Silverspot, 90c; \$8.00 per 1000. **Fuchsia**, 5 best varieties, 90c. **Hardy Pinks**, 6 varieties, some everblooming, 75c; \$5.00 per 1000. **Del. Petunias**, 10 finest, \$1.00.

Alternanthera, red and yellow, 50c; \$3.50 per 1000. **Stevia**, serrata, 75c. **Giant Paris Delay**, \$1.00. **Coleus**, 60c; \$5.00 per 1000. **Mums**, Western King Weeks, Halliday, \$1.00. **Smilax Seedlings**, 30c per 100 \$2.50 per 1000. **Golden Feverfew** and **Centaurea Cymocarpa**, nice young plants, 60c per 100.

—CASH—

BYER BROS., Chambersburg, Pa.

SCOTT

The Most Graceful Nephrolepis Known

Retailers who have handled this fern are unanimous in proclaiming it the best Fern ever introduced.

Consult any grower who has bought Scott's and he will tell you that it is as far ahead of the Boston as that variety is ahead of all other introductions.

See my adv. on second cover page in American Florist of Feb. 25th.

JOAN SCOTT, Keap Street Greenhouses, BROOKLYN, N. Y.

BRANCH:

E. 45th St. and Rutland Road, Flatbush.

TELEPHONE, 1287 WILLIAMSBURG.

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Jacs Smits, Ltd. NAARDEN. (Holland.)
(BRANCH AT BOSKOOP.)

Wholesale Growers of Hardy, Fanny, Ornamental nursery stock, pot-grown forcing plants. Lilies a specialty. Berlin and Hamburg Valley—the best quality. Catalogue free on demand.

When in Europe please inspect our nurseries.

NAARDEN-BUSSUM, near Amsterd., is our R. R. Depot.

Mailing address during April and May:

JACS SMITS, care **MALTUS & WARE**, 136 Water Street, New York City.

Easter Plants

A SPECIALTY

Now ready for immediate shipment blooming Easter Stock for Easter week or before if desired. I am noted and have a reputation for the past 15 years for raising and shipping choice Easter plants throughout the land. I have 9 houses, the frames crowded with plants in better condition than ever before.

AZALEA Mme. Van der Cruyssen, a perfect poet's model, as round as an apple, none such in existence in America, cheaper than anywhere else. Just think, plants with 125 to 200 and more buds and flowers 75 cents, \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00 each. Other varieties from 75 cents, \$1.00, \$1.25 to \$1.50 each.

LILIU HARRISH and **JAPAN MULTIFLORUM**, (Michel's special bulbs), 6-inch pots, 5 to 8 buds to a plant, 10c per bud, below 5, 12c per bud. No lilies sold by themselves.

CINERARIA, Hybrid, best strain, all shades, 6-inch pots, \$2.00, \$3.00, \$4.00 and \$5.00 per doz. **HYDRANGEA**, Otaksa, 6 to 7-inch pots, pink and few white, \$5.00, \$6.00, \$9.00 and \$12.00 per doz.

SPIRAEA Gladstone are the finest we have ever handled. A Holland specialist furnished us with extra bulbs last fall; 6-inch pots 50 to 75 cents each. Other varieties, such as Floribunda, Japonica, Blondine, 6-inch pots, full of flowers, large plants, \$3 to \$4 per doz. Compacta, \$2 to \$3 per doz.

ROSES, American Beauty, 6-inch pots, bushy, 24 to 30 inches high, 50c to 75c each; 5-inch, 30c to 35c each. Hardy Hybrid Roses, including Hermosa, 5½-inch pots, \$3.00, \$4.00 and \$5.00 per doz.

BEGONIA, Pres. Carnot, Flambeau, 3 good benches in all; 6-inch pots, \$3.00 to \$4.00 per doz; 4-inch, \$1.80 per doz. **ARACARIA EXCELSA**, 7-inch pots, 4, 5 and 6 tiers, 25 to 34 inches high, \$1.50 each. **FICUS ELASTICA**, 6 to 7-inch pots, 25 to 35 inches high, \$6.00, \$9.00 and \$12.00 per doz.

WHITE DAISIES, 6-inch pots, \$3.00 per doz. **HYACINTHS**, mixed, from first-size bulbs, my own importation, Grant Maitre, King of the Blue, Gertrude, pink, Grandiflora, white, \$12.00 per 100.

VON SION, double-nosed daffodil, the best double narcissus grown, 5 to 6-inch pots, full of flowers, \$2 to \$3 per doz.

TOURNESOL double tulips sell at sight; 3 in a 4-inch pot, \$1.50 per doz.

CINERARIA Hybrid, in 100 beautiful colors, 6-inch pots, \$3 to \$4 per doz.

MOONVINE, A. W. Smith's Hybrid, \$5.00 per 100.

READ THESE TESTIMONIALS:

GODFREY ASCHMANN.

Dear Sir:—The shipment of plants ordered of you came duly to hand and I must say that I am thoroughly satisfied with them. It is a great pleasure to get such stock. Yours truly,

LINDSAT FLORAL CO., N. 19th St., Birmingham, Ala.

HELENA, ARK, March 17.

GODFREY ASCHMANN.

Dear Sir:—The Azaleas you shipped me at different times during the past winter, I have found to be most satisfactory plants, always ready sellers, as were also your Aracaria Excelsa. Am glad to know just where to look when in need of fancy stock. Yours truly,

MERRYVALE GREENHOUSES, Helena, Ark.

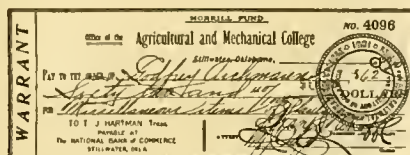
Oklahoma Agricultural and Mechanical College.

Stillwater, December 10, 1904.

GODFREY ASCHMANN, Philadelphia, Pa.

Dear Sir:—The material ordered from you arrived in good shape. The bill has been O. K'd and sent in and will be paid shortly. Please accept my thanks for material sent gratis.

O. M. MORRIS, Supt. of Horticulture.



To save express charges, mention with or without pots. Cash with order please. All goods travel at purchaser's risk. My place is 20 minutes from city hall by trolley, Germantown cars, at 13th and 8th Sts.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants.

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PHILADELPHIA, PA

Seasonable Stock AT BARGAIN PRICES.

Your Attention for a Moment.
We Have Something You Need.

ASPARAGUS SPRENGERI—Strong 3-inch pot plants, \$3.00 per 100.

ACALYPHA BICOLOR COMPACTA—From 2½ inch pots, \$4.00 per 100.

BEGONIA MANICATA AUREA—Now in fine color. From 2½-in. pots, \$5 per 100.

CARAX JAPONICA VARIEGATA—Indispensable for filling. From 2½-inch pots, \$3.00 per 100.

CHRYSANTHEMUMS—75,000 of the best varieties now ready to ship, including the best pompon collection in the country.

For a short time only we make a Special Price on Pompons of \$2.50 per 100; \$20.00 per 1000, Our Selection.

CYPERUS ALTERNIFOLIUS (Umbrella Plant)—Another grand plant for spring work. We have a thrifty stock of it, from 2½-inch pots, \$2.50 per 100.

FEVERFEW (Little Gem)—From 2½-inch pots, \$2.50 per 100.

GERANIUM OROSA and **SNOW QUEEN**—Your last chance to secure these grand new bedding varieties. Extra strong from 2½-inch pots, \$15.00 per 100.

GERANIUM MME. SALLEROI—From 2½-inch pots, \$2.50 per 100.

LEMON VERBENA—Excellent plants from 2½-inch pots, \$3.00 per 100.

LOBELIA GRACILIS—Strong, from 2½-inch pots, \$2.50 per 100.

MIRANDIA—Thrifty stock in 2½-inch pots, \$4.00 per 100.

Nephrolepis Bostoniensis, N. cordata compacta and N. Pieroni—Ready for a shift, now in 2½ inch pots, \$3.00 per 100.

SANSEVIERIA ZEYLANICA—Large, from 2½-inch pots, \$5.00 per 100.

SWEET ALYSSUM (Double)—Plant now for summer flowers. From 2½-inch pots, \$2.50 per 100.

VINCA MAJOR VARIEGATA—Bushy, 3-inch pot plants, \$5.00 per 100.

VINCA (Green)—Last year's field clumps, \$6.00 per 100.

Some of the Best Hardy Perennials.

All Dormant, 1-year Old Stock.

ANEMONE JAPONICA ALBA—2½-inch, \$4.00 per 100.

ANEMONE JAPONICA LADY ARDILAUN—2½-inch, \$4.00 per 100.

AQUILEGIA (Columbine) **LONG SPURRED**—2½ inch, \$3.00 per 100.

AQUILEGIA (Columbine) **SHORT SPURRED**—2½-inch, \$3.00 per 100.

CHRYSANTHEMUM MAXIMUM TRIUMPH—2½-inch, \$2.50 per 100.

DELPHINIUM QUEEN OF BLUES—2½-inch, \$3.00 per 100.

DIGITALIS GLOXINIOIDES (Foxglove)—2½-inch, \$3.00 per 100.

HELIANTHUS SPARSIFOLIA—One of the best of its class, 2½ inch, \$8.00 per 100.

ORIENTAL POPPIES—2½ in, \$4 per 100.

RUDBECKIA GOLDEN GLOW—3-inch, \$3.00 per 100.

RUDBECKIA NEWMANI—3-in., \$3 per 100.

RUDBECKIA TRILOBA—3-in. \$3 per 100.

If in need of other stock than herein noted, Write Us, as these are only a small per cent. of what we have. Send for Catalogue.

NATHAN SMITH & SON,

ADRIAN, MICH.

Toronto.

ACTIVE MARKET.

Trade is unusually active for the season and considerably ahead of last year. The social circle has not been as quiet as is expected during Lenten season and considerable stock has been in demand for funerals, etc. Quite a falling off is noticed in the carnation receipts and violets are about done for, the few that are coming in being of very inferior quality and when sold to the better class of customers only give dissatisfaction. Sweet peas and myosotis are taking their place, the former being very fine with 15 to 18-inch stems. Roses are in fine shape and for Easter there will be large quantities of special, select stock. The leading varieties at present are Mme. Chateau and Gen. MacArthur. Those with very long stems are most acceptable and find ready sale. American Beauty with 6 and 7-foot stems are quite common and are well worth the retail figure of \$9 per dozen.

Though the season is late there will be bulbous stock galore and the supply of azaleas and rhododendrons seems unlimited. In lilies, Harrisii are about over, but plenty of longiflorum are to be had. The flowers are very large but in most places the stems are on the short side. Lilacs are plentiful and some very fine. Ramblers and ericas are in evidence.

NOTES.

J. H. Dunlop has some Kaiserin roses which are just coming into bloom. His American Beauty are exceptionally fine and with a large collection of other roses, carnations, flowering plants, bulbous stock and a house of fine mignonette his Easter stock will be large.

Dunlop shows American Beauty with stems eight feet long, placarded from their own conservatories, which proved quite a drawing card, even causing the daily papers to comment.

Pussy willows prove attractive in the store windows, one variety with the wood the color of red dogwood and with very large catkins finding ready sale.

Murillo tulips as strong and vigorous as outdoor stock, with 2-foot stems, are coming from Grobba & Wandrey.

Hydrangea from Grobba & Wandrey will be among the favorites, being well grown and nicely colored.

Manton Brothers are cutting some fine cattleyas and cymbidiums.

D. J. Sinclair has been on a visit to Montreal. H. G. D.

PASADENA, CAL.—Dr. Rudolph Schiffmann, the well known orchid specialist of St. Paul, Minn., has bought a beautiful winter home here.

Cottage Gardens Co. Inc.

QUEENS, LONG ISLAND, N. Y.

SPECIALISTS:

PEONIES, CARNATIONS AND SPECIMEN NURSERY STOCK

Asparagus, Peonies, and Pansies.

Asparagus, Bonvallet's Giant, \$1.25 per 100; \$10.00 per 1000.

Peonies, \$5.00 to \$12.00 per 100.

Pansies, three plants, \$5.00 per 1000.

C. O. WILLIAMS, BATAVIA, ILL. 99 Water St.

60,000 GRAFTED ROSES For Forcing

EXTRA FINE HEALTHY PLANTS. FREE FROM MILDEW.

LIBERTY, rose pots, \$15.00 per 100; 3 1/4-inch pots, per 100.....\$ 18.00

BRIDES, BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, \$10.00 per

100, \$95.00 per 1000; 3 1/4-inch pots, \$15.00 per 100, per 1000..... 145.00

500,000 VERBENAS 60 Varieties.

PERFECTLY HEALTHY. IN BUD AND BLOOM.

2 1/4-in. pots, our selection.....\$2.50 per 100; \$20.00 per 1000

2 1/4-in. pots, purchaser's selection..... 3.00 per 100; 25.00 per 1000

COLEUS.

VERSCHAFFELTII, GOLDEN BEDDER, FIREBRAND, rooted cuttings, 75¢ per 100; per 1000.....\$6.00

SEND FOR PRICE LIST.

J. L. DILLON, Bloomsburg, Pa.

10,000 FRED BURKI 10,000

NOW READY

NOW READY

Send in your order and get one of the best commercial whites; worthy of growing. \$12 per 100; \$100 per 1000.

JOHN MURCHIE, S. S. SKIDELSKY,
SHARON, PA. 824 N. 24th St., Philadelphia.

CARNATION CUTTINGS.

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.

	Per 100	1000
Lawson.....	\$1.50	\$12.50
Guardian Angel.....	1.00	9.00
Enchantress.....	3.00	25.00
Morning Glory.....	1.50	12.50
Mrs. Higinbotham.....	1.25	10.00
Estelle.....	2.50	20.00
Chicago.....	2.00	15.00
Adonis.....	2.50	20.00
Flora Hill.....	1.00	9.00
White Cloud.....	1.25	10.00
Her Majesty.....	1.50	12.50
Harlowarden.....	2.00	15.00

Orders Filled Promptly.

WIETOR BROS.

51 Wabash Ave.,
Chicago.

CARNATIONS Rooted Cuttings WHITE LAWSON.

The king of white sorts. A strong grower and a free bloomer. We have 5000 ready to be shipped. All orders will be filled in rotation. \$7.00 per 100; \$60.00 per 1000.

	Per 100	1000
Lady Bountiful.....	\$7.00	\$60.00
Mrs. M. A. Patten.....	6.00	50.00
Nelson Fisher.....	7.00	60.00
Daheim.....	6.00	60.00
Enchantress.....	3.50	30.00
Boston Market.....	2.50	20.00
The Queen.....	2.50	20.00
Mrs. T. W. Lawson.....	2.00	18.00
Gen. Maceo.....	2.00	15.00
Morning Glory.....	2.00	15.00
Mrs. G. M. Bradt.....	3.00	25.00
Meiba.....	1.50	12.00
Queen Louise.....	1.50	12.00
White Cloud.....	1.60	12.00

GRAFTED ROSES.

We are now booking orders for future delivery. Write for prices.

WOOD BROS, Fishkill, N. Y.

Please mention the American Florist when writing.



RED LAWSON

Delivery at once.	\$10.00.....per 100
	40.00.....per 500
	75.00.....per 1000

W. J. Palmer & Son,
LANCASTER, N. Y.

Please mention the American Florist when writing.

ROSES.

MacArthur, 3-in.	\$8.00 per 100
La Detroit, 3-in.	8.00 per 100
American Beauty, 3-in.	6.00 per 100
Parle, 3-in.	5.00 per 100
Mme. Chataney, 3-in.	5.00 per 100
Bride, 3-in.	4.00 per 100
Bridesmaid, 3-in.	4.00 per 100
Sunrise, 3-in.	4.00 per 100

C. R. HILLS GRAND RAPIDS, MICH.

Little Gem Alyssum, in bud, 2 1/4-in.	Per 100 \$2.10
Cobaea Scandens, 3-in. strong.	3.00
Verbenas, separate colors, mammoth, 2 1/4-in.	2.00
Cuphea, 2 1/4-in.	2.00
German Ivy, 2 1/4-in.	2.00
Nicotiana Sandera, 2 1/4-in.	\$1.00 per doz.

Watch for Other Offerings.

Please mention the American Florist when writing.

ASTER PLANTS.

Bentley's Famous Asters, extra fine stock, from flats, \$1.00 per 100, \$8.00 per 1000; from 2 1/4-in. pots, \$2.00 per 100, \$17.50 per 1000.
Hohenzollern, Carlson's, American Branching and Queen of the Market, from flats, 60c per 100, \$5.00 per 1000; from 2 1/4-in. pots, \$1.50 per 100, \$12.50 per 1000.
Will have Primulas for July delivery. Chinese, Obconica, Forbesi and Buttercup, 2 1/4-in., \$2. Write.

Palms and Asparagus Cheap.

Latania Bor., 2-lb. pot, seed leaves.	Per 100 8.00
" " 3-in. pot, 15-18 in., 2-3 chr. lvs.	12.00
" " 5-lb. pot, 18-20 in., 3-4 chr. lvs.	15.00
" " 5-in. pot, 20-24 in., 4 chr. lvs.	20.00
Kentia Bel., 2 1/2-in. pot, 6-8 in., 2 leaves.	10.00
" " 3-lb. pot, 8-10 in., 3-4 leaves.	12.50
" " 4-lb. pot, 12-15 in., 4-5 leaves.	16.00
Asparagus Sprengeri, 2-inch.	\$2.00
Asparagus Plumosus Nanus, 2-inch.	2.50
" " 3-inch.	5.00

SHERMAN NURSERY CO., CHARLES CITY, IA.

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JOSEPH HEACOCK, WYNCOTE, PA. GROWER OF

Kentia Belmoreana and Kentia Forsteriana

EVERYTHING CHOICE FOR FORMAL

ITALIAN GARDENS.

Bay Trees, Box Trees, Pyramid, Bush, Standard, Fancy Clipped. Bamboos, Orange Trees, Etc.

Julius Roehrs Company, RUTHERFORD, N. J.

JOHN BURTON, Assignee for
ROBERT CRAIG & SON,
ROSES, PALMS,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

CANNA

WEST VIRGINIA.

Best of the Crozy Type. Gold Medal at St. Louis. Started plants now ready, \$5.00 per 100. Stock limited.

GUS. OBERMEYER,
Box 219, PARKERSBURG, W. VA.

HINODE FLORIST CO.

...JAPANESE NOVELTIES...

TINY PLANTS, in 2 and 3-in. decorated Japanese pots, \$15.00, \$20.00 and \$25.00 per 100.
RHAPS, 5 to 15 shoots, 50 cents each.

CASH WITH ORDER.
LARGEST GROWERS OF EASTER LILIES.
WOODSIDE, N. Y. and WHITESTONE, L. I., N. Y.

There Are Buyers

For all kinds of good stock
advertised in.....

THE AMERICAN FLORIST

BEDDING PLANTS.

	Per 100	2 1/4-in.
Ageratums, dwarf, blue and white.	\$1.75	
Alternantheras, red, yellow, 100 R. C., 50c.	1.50	
Alyssum, Sweet, Giant dbl., 100 R. C., 75c.	2.00	
Cannas, in varieties, strong.	5.00	
Carnations, R. C. 2 and 3-in. Price list free.		
Cobaea Scandens, trpl. from flats, \$1.00.	2.00	
Coleus, in varieties, 100 R. C., 70c.	2.00	
Dahlia, in varieties, doz., 50c.	4.00	
Daisy, Longfellow, Snowball, trpl., \$1.00.		
Dracaena Ind., 2, 3, 4-in., \$2.50 \$5.00, \$8.00.		
Dusty Miller, trpl. from flats, \$1.00.	2.00	
Ferns, Boston, Little Gem, 2, 3, 4-inch, \$3.00, \$6.00, \$12.00.		
Feverfew, Little Gem, 3-in., 100, \$3.00.	2.00	
Forget-me-not, in var., trpl. 100, \$1.00.	2.00	
Fuchsia, in var., 100 R. C., \$1.00.	2.50	
Geranium, in varieties.	2.50	
Geranium, Mme. Sallerol, very strong.	2.50	
Heliotrope, in varieties.	2.00	
Lantana, in var., 3-inch, \$5.00.	2.50	
Lemon Verbena, 3-in., 100, \$5.00.	2.50	
Labellia Comp., dwarf, trpl. from fl., \$1.00.	2.00	
Labellia Speciosa, trailing, trpl., from flats, \$1.00.	2.00	
Marguerite, white and yellow.	2.00	
Pansies, 300,000 splendid plants, ready to ship. Per 1000, \$12.50, \$10.00, \$6.50, \$4.00 and \$3.00 accordingly to size. Sample free.		
Pansies, white, blue, black, purple and yellow, separate colors, trpl., 100, \$1.00.	2.50	
Petunia, double fringed.	2.50	
" single fringed, trpl., 100, \$1.00.	2.00	
Salvia, in varieties.	2.00	
Smilax, trpl. from flats, strong, \$1.00.	1.50	
Swingstana Alba, 3-in., 100, \$5.00.		
Umbrella Plants, strong, trpl. fr. fl., \$1.00.	2.00	
Verbena, red, white, pink, blue and mixed, trpl., from flats, 50c.	1.50	
Vinca Var., strong, 3-inch, \$6.00.	2.00	

Millions of Vegetable Plants. Hardy Perennial Plants. Price list mailed free. Cash with order. If by mail, add 10c per 100 for R. C. and seedlings.

LUDVIC MOSBAEK, Onarga, Ill.

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CARNATION CUTTINGS

From Pots and Flats.

	Per 100	Per 1000
NELSON FISHER.....	\$6.50	\$55.00
MRS. M. A. PATTEN.....	6.50	55.00
FLAMINGO.....	6.50	55.00
D. WHITNEY.....	5.50	45.00
ENCHANTRESS.....	3.50	30.00
H. FENN.....	3.00	25.00
FAIR MAID.....	3.00	25.00
QUEEN.....	3.00	25.00

BACKER & CO.,

BILLERICA, MASS.

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Orchids!

Just at hand, in superb condition, our first shipment of CATTLEYA LABIATA. Write for prices.

We also recommend our large stock of well-grown, established ORCHIDS. Write for catalogue.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

Please mention the American Florist when writing.

APRIL 25th. ORCHIDS. APRIL 25th.

SANDER'S ANNUAL SPRING ORCHID SALE.

Send for Descriptive Catalogue to

CLEARY'S HORTICULTURAL HALL,
62 Vesey St., NEW YORK.

Please mention the American Florist when writing.

Easter will be over, and then you look for Decoration Day

GEO. A. KUHL offers:

	2 to 2 1/2-in.	3-in.	4-in.
Vincas.....	\$3.50	\$5.00	\$12.50
Double Petunias.....	3.50	5.00	10.00
Sweet Alyssum.....	2.50		
Fuchsias.....	4.00	7.50	
Cuphea.....	2.50		
Coleus.....	2.50		
Salvia.....	2.50	5.00	
Santolina.....	2.50		
Cannas.....		5.00	
Feverfew.....	2.50	5.00	
Marguerites.....	3.50	7.50	10.00
Nasturtiums.....	2.50		
Rose Geraniums.....	3.50	6.00	
Ivy Geraniums.....	5.00		
Mme. Sallerol.....	3.00		
Geraniums, pink, red, white and salmon.....	3.50	5.00	8-10.00
Centaurea.....	2.50	5.00	
Fancy leaved Coleus (broad, highly colored).....			10-12.50
Alternantheras.....	3.00		
Pelargoniums.....		7.50	12.50
Moonvines.....	5.00		
Ageratum, white and blue.....	2.00		
Flowering Begonias, 5 var.....	5.00	7.50	12.50
Genistas.....			12.50
Cobaea scandens.....		5.00	
Heliotrope.....		7.50	

SPECIALS.—Hardy Moonvina roots, \$1.50 per doz.; hardy Hydrangeas, \$3.00 per doz.; hardy Boston Ivies, \$3.00 per doz. Have a nice lot of 2-year Liberty and Beauty in 5-in. pots, for summer blooming, which we offer at \$3.00 per doz.; Pansies at 75c to \$2.00 per 100. 2-in. 3-in. 4-in. Asparagus plumosus.....\$3.50 \$8.00 \$15.00 Asparagus Sprengeri.....2.50 5.00 10.00 Boston Ferns, 2 1/2 to 10-in.; Scottii Ferns, 4, 5 and 6-in.; Foster Ferns, 2 1/2 and 3-in.; Small Ferns for Ferneries, 2 1/2-in., extra; baskets of Sprengeri, etc. Write.

GEO. A. KUHL, Pekin, Ill.

Scottii Ferns.

Much more valuable than the Boston Fern, because with the most ordinary culture it will grow into beautiful compact specimen plants.

	Per Doz.	Per 100
2 1/2-in.	\$2.00	\$20.00
3-in.	3.00	20.00
4-in.	5.00	

Pierson Ferns 2 1/2-inch 60c per dozen, \$4.00 per 100.

THE CONARD & JONES CO. WEST GROVE, PA.

BOSTON FERNS.

Extra fine stock, cut from bench now ready for 5, 6, 7 and 8-inch pots, at \$25.00, \$50.00, \$75.00 and \$100.00 per 100. KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Stanley & Co.

SOUTHGATE, ENGLAND.

CATTLEYA SCHROEDERAE, a grand well assorted importation just arrived.
Order at once.

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Pasadena, Cal.

Robert Leithead, manager of the Hotel Raymond, has some grounds at South Pasadena that have averaged a most effective panel of low growing flowery plants. On the railway side of the grounds this appears an effective bed by day, but at night the word "Raymond" flashes out from the flowers, in electric globes, in a most striking manner.

Adolphus Busch, the St. Louis brewer, has purchased the Cravens place, consisting of a fine house with ample grounds, on a fine site overlooking the valley and mountains. To this he has added ten acres of lower ground for landscaping. His gardener, Mr. Frasier, has been instructed to secure a specimen tree, shrub or plant of all available kinds. The new terraces, costing over \$5,000, have been washed out on two different occasions by the heavy rains.

Madison, N. J.

C. H. Totty reports a good sale for novelty chrysanthemums, especially Mrs. Wm. Duckham and Merstham Yellow. He intends to drop cut roses and devote his greenhouses to carnations and chrysanthemums, especially the new varieties. He will exhibit specimen blooms of the latest imported chrysanthemums this fall.

Wm. Duckham, superintendent for D. Willis James, is propagating for next winter's use a pink sport of carnation Enchantress of a deeper shade than Wm. Scott.

Chrysanthemum Novelties

Merstham Yellow, White Coombes, Emily Mleham, Valerie Greenham, Mrs. H. A. Allen and all other novelties 50c each; \$5.00 per doz. Mrs. W. Duckham, the cup winner, 75c each; \$7.50 per dozen. Send for list.

CHARLES H. TOTTY, Madison, N. J.

ROOTED CUTTINGS OF EARLY

CHRYSANTHEMUMS.

Opah, Mme. Bergman, Willowbrook and October Sunshine.

Rooted Cuttings of VIOLETS of all kinds.

ELI CROSS, Grand Rapids, Mich.

CHRYSANTHEMUMS

April Bargains in ROOTED CUTTINGS

A FEW OF OUR LEADERS:

Wm. Duckham Ben Wells, Mrs. Thirkell, \$2.00; F. A. Cobbald, Leila Filkins, \$3.00, Dr. Enguehard, \$4.00 per 100.

Asparagus Sprengerii strong 2½ and 3¼-in. \$1.75 per 100; \$15.00 per 1000.

Send for complete list. No order filled less than \$1.

W. A. CHALFANT, Springfield, Mo.

Please mention the American Florist when writing.

Red Sport

CARNATION.

The great "Bread and Butter" holly berry red. Early and continuous, sure crop for Christmas. Never splits; strong healthy grower, 2½ to 3-inch flower on long wiry stem that well supports the bloom, an easy doer and an all-around money maker. 'Nough said. Price for immediate delivery, 12 for \$1.50; 25 for \$2.50; 50 for \$4.00, all postpaid. \$6.00 per 100; \$50.00 per 1000.

QUEEN LOUISE, the standard white, strong healthy well-rooted, \$1.25 per 100, postpaid; \$10.00 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, PURCELLVILLE, VA.
CARNATION SPECIALISTS.

Please mention the American Florist when writing.

A FEW GOOD THINGS YOU WANT.

KENTIAS, As fine a lot of single and made-up plants as ever grown, 4-in., 5-in., 6-in., 7-in., and 8-in. pots, at 20c, 35c, 75c, \$1.50 to \$3.00 each. DRACAENA INOIVISA, 8, 4, 6-inch, \$5.00, \$10.00 and \$25.00 per 100.

ASPARAGUS PLUMOSUS, 2 and 3-in., \$4.00 and \$8.00 per 100.

ASPARAGUS SPRENGERI, 2 and 3-in., \$3.00 and \$5.00 per 100.

GERANIUMS, Jean Vlaud, S. A. Nutt, Castellane, John Doyle, Perkins. Single and Double, Gen. Grant, La Favorite, Mme. Sallerol, 2-in. pots, \$2.50 per 100.

GLADIOLUS BULBS, good mixture, 75c per 100, \$6.00 per 1000.

GERMAN IVY 2-in., \$2.50 per 100.

SCARLET SAGE, LOBELIA, VERBENA, VINCA VAR., HELIOTROPE, Double and Single PETUNIA, 2-in. pots, \$2.00 per 100.

CASH WITH ORDER.

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Please mention the American Florist when writing.

Cyclamen

SPLENDENS GIGANTEUM HYBRIDS.

Our well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$1.00 per 100; \$35.00 per 1000.

Satisfaction Guaranteed.

LEHNIG & WINNEFELD,
HACKENSACK, N. J.

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CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS. My well-known strain in five true colors (seedlings), twice transplanted from flats, including the fringed variety, well-grown plants, \$3.00 per 100; \$25.00 per 1000. Satisfaction guaranteed.

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Double Fringed Petunias We are always headquarters for these. Six distinct novelties, labeled, \$1.25 per 100; \$10.00 per 1000.

Salvia, Two Best, Lord Fauntleroy (dwarf), Bonfire (tall), \$1 per 100; \$8 per 1000.

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CARNATIONS

Fine, strong, healthy, well rooted cuttings. Per 100

Prosperity, Jonat, Lawson, Wolcott.....\$2.00

Moonlight.....3.00

BOSTON FERNS 4, 5 and 6-in. pots. Elegant, strong, healthy, well rooted plants from bunch, 15c, 20c and 30c respectively. S. A. Nutt Carnations, healthy, 2½-in., \$3.50 per 100. Plumosus and Sprengerii, 3-in. only, \$4.00 per 100. Above prices cash with order.

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CAPE COD

PINK POND LILIES

The best hardy pink. Large, strong flowering roots, \$3.00 per doz.

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PANSIES.

Extra fine stock, in bud and bloom. \$1.25 per 100; \$12.00 per 1000.

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Carnations. Roses and 'Mums.

We Need Room. SPECIAL OFFER.

R. C. per 1000 2½-in. per 1000
Enchantress.....\$22.00
Wolcott, Prosperity.....12.50 \$25.00
Crusader.....25.00 35.00
White Lawson.....40.00 50.00
Harlowarden.....15.00 25.00
White Cloud.....12.50 25.00
Mary Wood...\$2.50 per 100; 12.50
Mrs. Manley...3.00 " 20.00
Lawson.....12.50 25.00

ROSES. 30,000 Chatsensy, 2 and 3 eye cuttings, fine. Rooted cuttings, \$20.00; 2½-in., \$35.00 per 1000. 20,000 2-in. Beauties, \$5.00 per 100; \$45.00 per 1000. 10,000 2½-in. Gates, \$3.00 per 100; \$25.00 per 1000; R. C., \$12.50 per 1000.

'MUMS. Price list mailed on application.

POEHLMANN BROS. CO., Merton Grove, Ill.

COLEUS

ROOTED CUTTINGS

Verschaffeltii, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Queen Victoria and Fancies, 60c per 100; \$5.00 per 1000. Golden Bedder (original) and Hero 75c per 100; \$6.00 per 1000. A discount of 10 per cent allowed on 10,000 or more Coleus. More liberal discount on large orders.

ACERATUM, Princess Pauline and Stella Gurney.

SALVIA, Splendens and Jean Revenal, rooted cuttings, 75c per 100; \$6.00 per 1000.

FRANK A. PIERSON, CROMWELL, CONN.

PANSIES.

100,000 Now in Bloom.

Extra large field-grown plants. They are the Kind that Sell. Per 100, \$2.00; per 1000, \$20.00.

Seedlings, \$3.00 per 1000.

ALBERT A. SAWYER, Pansy Specialist

Successor to Thos. J. Corbrey,

23-33 S. Harlem Ave., OAK PARK, ILL.

Telephone, Harlem 2342.

The Beautiful Pink Carnation

CANDACE

\$2.00 per doz.; \$12.00 per 100; \$100.00 per 1000. Dissemination 1906. Early commercial.

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.
JOHN HARTJE.....

ROOTED CARNATION CUTTINGS

Per 100 1000
WHITE LAWSON.....\$6.00 \$50.00
FLAMINGO.....6.00 50.00
ENCHANTRESS.....3.00 25.00
THE QUEEN.....2.50 20.00
CARDINAL, from 2-inch pots.....12.00

Larchmont Nurseries,
Larchmont, N. Y.

Pansies The Jennings Strain.

Fine cold-frame plants in bud and bloom. Finest mixed colors. Ready April 1st. Price, \$1.50 per 100. Cash with order.

E. B. JENNINGS, Lock Box 254,
SOUTHPORT, CONN.

GROWER OF THE FINEST PANSIES.

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BIG CUT IN PRICE!!

We Now Offer the Trade a Nicotine Solution, Guaranteed to Contain not Less than

40 per cent NICOTINE,

At the Exceedingly Low Price of

\$10.50 per GALLON.

Half Gallon, \$5.50.

Pint, \$1.50.

1-4 pint, 50c.

This Solution is Unsurpassed in Quality by any Competing Article.

Owing to the Marked Success of our "NICO-FUME" Tobacco Paper Insecticide, We shall call this Solution

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The "NICO-FUME" Products and our "Rose Leaf" Tobacco Extract are For Sale by Seedsmen.

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PUMPS Rider-Ericsson. Second-hand, from \$40.00 up; all repairs; other makes; new; cheap.

BOILERS New and second-hand. Two second-hand steam; first-class condition; will heat 1,000 sq. ft. glass; at \$35.00 each.

PIPE New 2-in. standard full lengths, with couplings, 8 $\frac{3}{4}$ c per ft. Good, serviceable second-hand, with threads, 2 in., 7c; 1 $\frac{1}{2}$ -in., 5 $\frac{1}{2}$ c; 1 $\frac{1}{4}$ -in., 8 $\frac{3}{4}$ c; 1-in., 3c; $\frac{3}{4}$ -in., 2 $\frac{1}{4}$ c. Old and new fittings and valves.

STOCKS and DIES New Economy, best made, No. 1 threads, $\frac{3}{4}$ -in., $\frac{3}{4}$ -in., 1-in. pipe, \$3.00. No. 2 threads, 1 $\frac{1}{4}$ -in., 1 $\frac{1}{2}$ -in., 2-in. pipe \$4.00.

PIPE CUTTERS New Saunders Pattern. No. 1 cuts $\frac{1}{2}$ -in.-1-in. pipe, \$1.00. No. 2 cuts 1-in.-2-in. pipe, \$1.30.

STILLSON WRENCHES New, 18-in., grips $\frac{1}{4}$ -in.-2-in. pipe, \$1.65; 24-in., grips $\frac{1}{2}$ -in.-2 $\frac{1}{2}$ -in. pipe, \$2.40; 36-in., grips $\frac{3}{4}$ -in.-3 $\frac{1}{2}$ -in. pipe, \$4.75.

PIPE VISES New. No. 1 hinged, grips $\frac{1}{2}$ -in.-2-in. pipe, \$2.25.

GARDEN HOSE New. $\frac{3}{4}$ -in., guaranteed 100-lbs. pressure, 7 $\frac{1}{2}$ c per ft.; $\frac{1}{2}$ -in., not guaranteed, 4 $\frac{1}{2}$ c per ft.

HOTBED SASH New. Cypress, 3-ft.x6-ft., from 70c up; glazed, complete, from \$1.60 up. Second-hand, as good as new, complete, at \$1.25 each.

GLASS New. American, 50 sq. ft. to the box. 10x12, 12x12 B single, at \$1.75. 10x12, 12x12, B double, at \$2.40. 12x14, 12x16, 12x20, 14x14, 14x16, 14x20, 16x16, 16x18 B double, at \$2.65. 16x20, 16x24 B double, at \$2.95.

Write for our prices on Gulf Cypress Building Material, Ventilating Apparatus, Oil, White Lead, Putty, Paint, etc.

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PURE SHEEP MANURE

Dried, Unpulverized and Pulverized.

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Artificial Leaves.

ALL STYLES IN HUNDREDS OF DIFFERENT DESIGNS. PAPER AND MUSLIN. SMILAX, YARDS and PIQUETS. Samples Furnished to the Jobbing Trade Only.

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NEW EDITION NOW READY.



Japan Bamboo Stakes

IN LARGE QUANTITIES. 5 TO 6 FEET.

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CUT FLOWER BOXES

WATERPROOF
Corner Lock
Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No. 0.	3x 4x20	\$2.00	\$9.00
" 1.	3x 4½x16	1.90	17.50
" 2.	3x 6x18	2.00	19.00
" 3.	4x 8x18	2.50	23.00
" 4.	3x 5x24	2.75	26.00
" 5.	4x 8x22	3.00	28.50
" 6.	4x 8x28	3.75	36.00
" 7.	6x16x20	5.50	54.00
" 8.	3x 7x21	3.00	28.50
" 9.	5x10x35	6.50	62.00
" 10.	7x20x20	9.50	67.50
" 11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,

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1521-23 N. Leavitt St., CHICAGO, ILL.

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Standard Pots which for strength and porosity combined are the best on the market. Please mention the American Florist when writing.

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FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

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If your greenhouses are within 500 miles of the Capital, write us, we can save you money.....

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THE BUG KILLER

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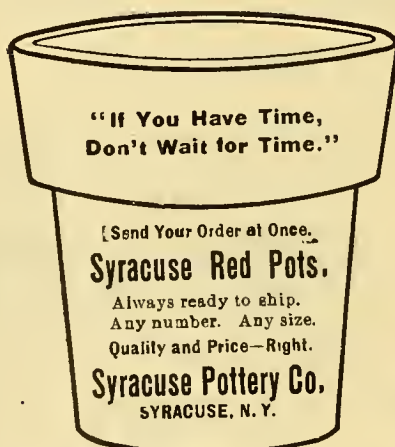
The WHILLDIN POTTERY COMPANY,
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Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.



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SAMPLE POT AND PRICE LIST
ON APPLICATION.

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Kramer's Pot Hanger



The neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up ferns, begonias, etc. You can make room and money by their use. Try them.

FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND SUPPLY DEALERS.

Price with wire chain as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. Kramer & Son, Cedar Rapids, Iowa.

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STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2-in., in crate, \$4.88	120 7-in., in crate, \$4.20
1500 2½ " " 5.25	60 8 " " 3.00
1500 3 " " 6.00	HAND MADE.
1000 3 " " 5.00	48 9-in., in crate, \$3.60
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500 4 " " 4.50	24 11 " " 3.60
320 5 " " 4.51	24 12 " " 4.80
144 6 " " 3.16	12 14 " " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y.
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GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street,
near Wrightwood Ave.,
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*We can't do much with a
"Just Won't Grower"*

Who **KNOWS** that **ALL** tobacco powder is the same cigar and tobacco store trash he gets at his cigar store or from his seedsmen and **JUST WON'T** ask for our booklet, that is full of the sayings of his fellows, that read:

The H. A. S. Co.:—I have been using the **BLACK STUFF FINE TOBACCO POWDER**, on my violets, and it has given me great satisfaction.
FRED KIEFER, Northport, L. I.

The H. A. S. Co.:—I have no green fly. **THE FUMIGATING KIND TOBACCO POWDER**, is safe, clean and sure: a powerful fumigator.
CHAL PETERSON, E. Liverpool, O.

Re **JUST WON'T** believe that 95 per cent of all the growers that send for our free trial sample bags of **THE FUMIGATING KIND** (for fumigating), and **BLACK STUFF FINE** (for sprinkling), have purchased not once, but again and again, after the trial. **WHY BE A JUST WON'T** when you can have these free trial sample bags; yes, two of them if one won't do. All we ask is for you to pay the express charge on them. **ASK NOW**. Don't be a **JUST WON'T**.

The H. A. STOOHOFF COMPANY, **TOBACCO POWDER HOBBYISTS**, 116 West St., New York, N. Y.

GLASS

**ORDER NOW IF
YOU ARE WISE.**

Factories stop making glass May 30th for this season. We have some attractive prices.

Write us before buying no matter how large or how small your order is.

WRITE US AT ONCE AND SAVE MONEY.

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FLORISTS' SPECIALS.....

"Kinkaid" Hocking
Kanawha Splint
Lower Vein Brazil Block
Genuine Smokeless Pocahontas
Sullivan County Indiana Lump

COAL

We are direct agents. Write for prices for immediate shipment or season's supply.

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For Horticulturists and Orchid Growers.

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Greenhouse Material

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OUR FACILITIES INCREASED
OUR GRADES INVARIABLY THE BEST.



Hot Bed Sash

Washington Red Cedar

OUR PRICES RIGHT

Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 615 to 621 Sheffield Ave., CHICAGO.

Pittsburg.

DULL MARKET.

Business seems to have been suppressed entirely, but by April 20 the resistant conditions that the Lenten season imposes will be dissolved and the usual uncheckable rush will have begun, and if predictions come true it will undoubtedly be the biggest Easter season on record.

NEWS NOTES.

On April 12 Phil Langhans, Ed. Reineman and E. C. Ludwig made an inspection of the Pittsburg Rose and Carnation Company's plant and speak highly of the preparations of that establishment to meet the Easter demands.

Bill Clark has been made president of the Sheridan Borough Improvement League. The Pittsburg Cut Flower Company now has two presidents in the firm.

On April 27 the Americus Club will give its annual banquet, at which many national celebrities will be present. The decorations for this will be extensive and costly.

Sunday, April 16, was the coldest April day for thirty years, the temperature being down to 28°, with snow storms and high winds.

Mrs. E. A. Williams has secured the adjoining store room and will have a fine display of Easter novelties on view.

John Bader's plant is going at full blast night and day in order to get out the great number of shipping orders.

Pittsburg department stores are keenly competitive in the sale of rose bushes, seeds and plants.

The Pittsburg Cut Flower Company expects to have the biggest Easter business in its history.

E. C. Ludwig has issued some very artistic floral cards.

Visitors: Mrs. Kussart, Point Marion, Pa.; H. C. Geiger, Floral Exchange, Philadelphia. E. L. M.



WM. S. HARMAN,
Chicago, Indianapolis.

Producer, Jobber and Prompt Shipper of Bituminous Coal. Attractive prices on Alum Creek, Pocahontas Smokeless, W. Va. Splint, Brazil Block, Indiana Hocking Lump and other grades.

Please mention the American Florist when writing.

LET US KNOW

What you need in the line of lumber, pipe, plumbing supplies, sash and doors or anything in the building line. We have thousands of feet of glass suitable for greenhouses and hot beds.

Send us your bill for our estimate on anything you need in the above line.

THE GARDEN CITY WRECKING & LUMBER CO.
47th & Loomis Sts., CHICAGO.

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A. HERMANN,

☞ Cape Flowers, all colors,
☞ Cypas Leaves, Metal Designs,
☞ and All Florists' Supplies.

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L. BAUMANN & CO.,

Importers and Manufacturers of
Florist Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

GREENHOUSE LUMBER**Our Louisiana Cypress**

Is thoroughly air-dried and free from sap. This is the very best material now offered to the trade for greenhouse construction.

We have the largest stock of this high-grade cypress in the North, and can promise quick service in filling all orders entrusted to us.

Estimates and designs furnished on application. We will be pleased to figure with you on your contemplated work.

Our new detail sheet mailed on request.

RED CEDAR POSTS. IRON FITTINGS. HOT-BED SASH.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Please mention the American Florist when writing.



GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF
YOUR GLASS.

DES PLAINES, ILL.
SEND FOR CATALOGUE.

A merican of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

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BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

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SEE OUR WORK IN THIS PAPER.

SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

**Clipper
Lawn
Mower
Co.** DIXON,
ILL.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-in. Mower, \$5; No. 2—15-in. Mower, \$8; No. 3—18-in. Mower, \$7; No. 4—21-in. Mower, \$8. Send draft, money-order or reg. letter.

Please mention the American Florist when writing.

The Mower

that will Kill all the Weeds in Your Lawn. If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Standard VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Please mention the American Florist when writing.

King Construction Co.

NORTH TONAWANDA, N. Y. and
TORONTO, ONT.

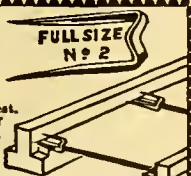
New Greenhouse Catalogue ready for distribution. Send for it.

—MODEL EXTENSION—

Carnation Supports

Galvanized Wire Rose Stakes, Tying Wires, Single & Double Pot Hangers.

WRITE US.

Igoe Bros., 226 North 9th St. BROOKLYN, N. Y.
Please mention the American Florist when writing.**H. M. HOOKER CO.**Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.59 W. Randolph St., CHICAGO.
Please mention the American Florist when writing.**STENZEL GLASS CO.,**
GREENHOUSE GLASS.French and American "WHITE ROSE"
Brand.2 Hudson St.,
NEW YORK.101 Portland St.,
BOSTON.**Holds Glass
Firmly**
See the Point 
PEERLESSGlazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.**Wired
Toothpicks**10,000, \$1.50; 50,000, \$5.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample Free. For sale by dealers.

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Makers of **WIRE DESIGNS**Located in Flower Growers' Market,
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Phone Central 3067.Best work, lowest prices. List free on application.
City and shipping orders receive equal attention.**GULF CYPRESS
GREENHOUSE
MATERIAL**HOT-BED SASH, BOILERS, PIPES, FITTINGS,
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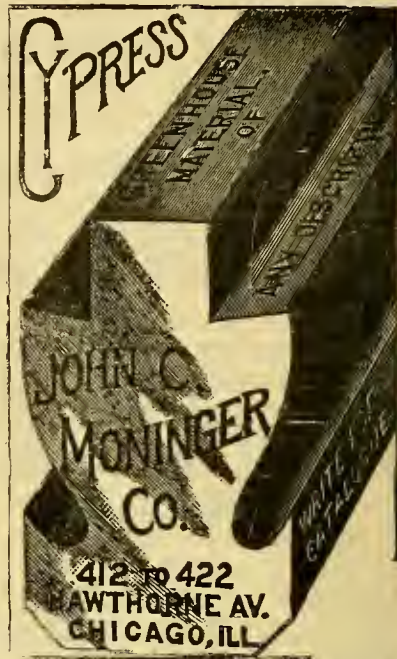
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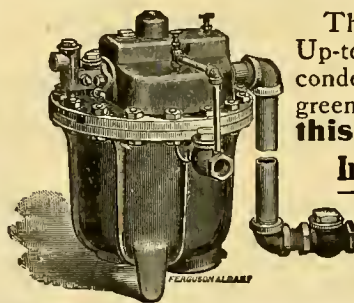
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Carnation—The Cardinal; best scarlet in market; rooted cuttings now ready; \$12 per 100; \$100 per 1,000.

Chicago Carnation Co., Joliet, Ill.

Carnation—Rooted cuttings. Chicago, \$10 per 100, \$120 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Belle, \$5 per 100, \$45 per 1,000; Flora Hill, \$1 per 100, \$9 per 1,000; Queen Louise, \$1 per 100, \$9 per 1,000; Peru, \$1 per 100, \$9 per 1,000; Richmond Gem, \$10 per 100, \$75 per 1,000; Crusader, \$5 per 100, \$45 per 1,000; Adonia, \$2.50 per 100, \$20 per 1,000; Estelle, \$2.50 per 100, \$20 per 1,000; Indianapolis, \$5 per 100, \$45 per 1,000; Phyllis, \$10 per 100, \$120 per 1,000; Morning Glory, \$1.50 per 100, \$12.50 per 1,000; Mrs. Joost, \$1 per 100, \$9 per 1,000; Mrs. Higinbotham, \$1 per 100, \$9 per 1,000; Guardian Angel, \$1 per 100, \$9 per 1,000; Nelson, \$1.50 per 100, \$11.50 per 1,000; Lawson, \$1.50 per 100, \$12.50 per 1,000.

Peter Reinberg, 51 Wabash Ave., Chicago.

Carnation—Red Sport, holly berry red, 2½ to 3-in. flower. Immediate delivery; price, \$1.50 per doz., \$2.50 for 25, \$4 for 50; all postpaid; \$8 per 100, \$50 per 1,000. Queen Louise, \$1.25 per 100 postpaid; \$10 per 1,000.

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Carnation—Strong rooted cuttings. N. Fisher, \$5 per 100; Indianapolis, \$4 per 100; B. Market, \$1.75 per 100, \$15 per 1,000; Wolcott, \$2 per 100, \$18 per 1,000; Lawson, \$1.25 per 100, \$12 per 1,000; Glacier, \$1.25 per 100, \$12 per 1,000; Prosperity, \$1.50 per 100, \$14 per 1,000.

The W. T. Buckley Co., Springfield, Ill.

Carnation—Rooted carnation cuttings. Enchantress, \$3 per 100, \$25 per 1,000; Fair Maid, \$2.50 per 100, \$20 per 1,000; Alpine Glow, \$2.50 per 100, \$20 per 1,000; Lawson, \$2 per 100, \$15 per 1,000; Nelson, \$2 per 100, \$15 per 1,000; Queen Louise, \$2 per 100, \$15 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; Marlon, \$2 per 100, \$15 per 1,000; Flamingo, \$6 per 100; Crusader, \$6 per 100; Crane, \$2 per 100, \$15 per 1,000; Mrs. Patten, \$6 per 100; Prosperity, \$2.50 per 100; Harlowarden, \$3 per 100. All other leading varieties. Leo Niessen Co., 1217 Arch St., Philadelphia.

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Carnation—Lawson, Boston Market, from flats, 2½c; from sand, 1½c. Dorothy, White Cloud, 1c. Nemaha Greenhouses, Seneca, Kan.

Carnation—My Maryland and Jessica, \$2.50 per doz., \$12 per 100, \$100 per 1,000. H. Weber & Sons, Oakland, Md.

Carnations—Special prices per 1,000; Q. Louise and Floriana, \$7.50; Mrs. Nelson, H. Fenn, \$10; 50,000 Q. Louise ready now; rest in early May. Albert M. Herr, Lancaster, Pa.

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Carnations—Carnation cuttings, from pots and flats: N. Fisher, Mrs. M. A. Patten, Flamingo, \$6.50 per 100, \$55 per 1,000; D. Whitney, \$5.50 per 100, \$45 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; H. Fenn, Fair Maid and Queen, \$3 per 100, \$25 per 1,000. Backer & Co., Billerica, Mass.

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Carnation—Strong rooted cuttings. White Lawson, \$7 per 100, \$60 per 1,000. Also other novelties. Fiancee, Cardinal, F. Burkl, etc., and older sorts. M. A. Patten, Dahelm, Enchantress, Flamingo, T. W. Lawson, etc. F. R. Pierson Co., Tarrytown, N. Y.

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Carnation—Rooted cuttings now ready. All best commercial varieties; also some of tried newer sorts. First-class stock. Poehlmann Bros. Co., Morton Grove, Ill.

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Wietor Bros.,

51 Wabash Ave., Chicago.

Carnation—Rooted carnation cuttings. White Lawson, 5,000 ready to be shipped, \$7 per 100, \$60 per 1,000; Lady Bountiful, \$7 per 100, \$60 per 1,000; Mrs. M. A. Patten, \$7 per 100, \$50 per 1,000; Nelson Fisher, \$7 per 100, \$50 per 1,000; Dahelm, \$6 per 100, \$50 per 1,000; Enchantress, \$3.50 per 100, \$30 per 1,000; Boston Market, \$2.50 per 100, \$20 per 1,000; The Queen, \$2.50 per 100, \$20 per 1,000; White Cloud, \$1.50 per 100, \$12 per 1,000; Mrs. T. W. Lawson, \$2 per 100, \$18 per 1,000; Gen. Maceo, \$2 per 100, \$15 per 1,000; Morning Glory, \$2 per 100, \$15 per 1,000; Mrs. G. M. Bradt, \$3 per 100, \$25 per 1,000; Melba, \$1.50 per 100, \$12 per 1,000; Queen Louise, \$1.50 per 100, \$12 per 1,000. Grafted roses. Write for prices.

Wood Bros., Fishkill, N. Y.

Carnation—Red Lawson, at \$10 per 100; \$40 per 500; \$75 per 1,000.

W. J. Palmer & Son, Lancaster, N. Y.

Carnation—Strong, healthy, well rooted cuttings. Prosperity, Joost, Lawson and Wolcott, \$2 per 100; Moonlight, \$3 per 100. John Brod, Niles Center, Ill.

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Carnations—Pot grown per 100: Enchantress \$4; B. Market \$2.50; Red Sport and Flamingo \$6; The Queen and Mrs. Fisher \$3. R. C. from soil, per 100: F. Hill, Q. Louise, Scott, Joost, Crocker, \$1.50; Crane \$2; Enchantress \$3. C. Eisele, 11th and Jefferson St., Philadelphia.

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Chrysanthemum—Fine plants, ready to ship, from soil or sand. White, per 100: Estelle, Kalb, Robinson, Polly Rose, Wanamaker, \$2; Eaton, \$2.50; Bonnaffon, Snow Queen, Merry Christmas, Mayflower, Ivory, J. Jones, \$2; H. Plumcridge, \$3. Yellow, per 100: October Sunshine, Monrovia, Major Bonnaffon, Appleton, Y. Jones, Y. Mayflower, Beauty, Mournier, Omega, \$2; Y. Eaton, Golden Wedding, \$2.50; Wm. Thirkell, T. W. Pockett, H. S. Valls, Kimberly, \$3. Pink, per 100: Duckham, Cobbold, Balfour, \$3; Glory of Pacific, Pink Ivory, M. Newell, J. K. Shaw, Perrin, M. Liger, Lavender Queen, Richardson, Murdoch V. Morell, \$2. Red, per 100: Oakland, Paul Labbe, Black Hawk, \$2.50.

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Chrysanthemum—Three new chrysanthemums, Majestic, Adela and Madonna, rooted cuttings, \$3 per doz., \$15 per 100; 2-in. pots, \$20 per 100.

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Chrysanthemums—Ready to ship now out of soil, good strong cuttings as follows: 200 G. S. Kalb, 200 Monrovia, 300 F. Teal, 100 Glory of Pacific, 200 Polly Rose, 100 Willowbrook, 100 Golden Trophy, 100 Mrs. Robinson, 400 Bride, 400 Appleton, 400 Minerva, 200 G. W. Childs, 300 T. Shrimpton, 200 Vividand-Morel, 1,000 Niveus, 1,000 Mutual Friend, 1,000 Halliday, 2,000 Ivory, white; 300 Ivory, pink; 500 Cullingfordi, 400 J. Jones, white; 400 J. Jones, yellow; 300 Black Hawk, 300 Xeno, 1,200 G. Wedding, 1,000 Lincoln, 700 Maud Dean, 300 Nagoya, 400 Mme. F. Perrin, 500 T. Eaton, 1,000 Y. Bonnaffon. Above varieties, \$1.50 per 100; \$12.50 per 1,000. B. Wells, Princess, N. Pockett, Mrs. W. Mildred Ware, Mrs. E. F. Vallis, W. Duckham, Dr. Enguehard, \$2.50 per 100. Gen. Hutton, F. A. Cobbold, Leila Filkins, L. T. Wright, \$4 per 100.

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Chrysanthemum—M. Bonnaffon, Robinson, G. Pacific and M. Liger, \$2 per 100, \$15 per 1,000; Estelle and Wm. Duckham, \$3 per 100, \$25 per 1,000; same var. from 2½-in. pots, \$1 per 100. Chicago Carnation Co., Joliet, Ill.

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Chrysanthemums—75,000 best var., including best Pompon collection in country. Special prices on Pompons, for short time, \$2.50 per 100, \$20 per 1,000, our selection. Nathan Smith & Son, Adrian, Mich.

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Chrysanthemums—Mrs. W. Duckham, 75c each; \$7.50 per doz.; Merstham Yellow, White Coombes, 50c each; \$5 per doz.; \$35 per 100; also Mrs. A. J. Miller, J. H. Doyle, D. Stevens, Mrs. H. A. Allen, Emily Mileham, Merstham Red, Val. Greenham, Lady Cranstoun, etc., 50c each; \$5 per doz.; \$30 per 100; W. Duckham, F. A. Cobbold, Gen. Hutton, D. McLeod, W. R. Church, B. Wells, Cheltoni, Harrison Dick, etc., \$8 per 100; Mrs. T. W. Pockett, C. J. Salter, Mrs. E. Thirkell, F. S. Vallis, and other standard kinds. Charles H. Totty, Madison, N. J.

Chrysanthemums—Three new chrysanthemums, Majestic, Adela and Madonna, \$3 per doz., \$15 per 100; 2-in. pots. John Breitmeyer's Sons, Detroit, Mich.

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Clematis—Jackmani, Mme. E. Andre, Henryl, Ramona, 2-year fieldgrown. W. & T. Smith Co., Geneva, N. Y.

Clematis—Clematis, 2-yr., home grown, 25c; \$2 per doz.; \$15 per 100. Paniculata, \$1 per doz.; \$8 per 100; 2½-in. pots 75c per doz.; \$4 per 100. F. A. Baller, Bloomington, Ill.

Clematis—Clematis Jackmani, 2-yr.-old., No. 1, \$18 per 100, 20c each in smaller quantities; 2-yr.-old, No. 1½, \$12 per 100, 15c for smaller quantities. Henryl, 2-yr.-old, No. 1, \$18 per 100, 20c each in smaller quantities; No. 1½, 2-yr.-old, \$12 per 100, 15c for smaller quantities. Mme. E. Andre, 2-yr.-old, No. 1, \$19 per 100, 21c each in smaller quantities; 2-yr.-old, No. 1½, \$15 per 100, 17c for smaller quantity. V. H. Hallock & Son, Queens, N. Y.

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Cobaea—Cobaea scandens, 3-in., \$5 per 100. Geo. A. Kuhl, Pekin, Ill.

Cobaea—Trans. from flats, \$1; 2½-in. pots, \$2. By mail add 10c per 100, R. C. and seedlings. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Cobaea—Cobaea scandens, fine, strong, 3-in., \$3 per 100. C. R. Hills, Grand Rapids, Mich.

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Coleus—Best bedders, 60c per 100, rooted cuttings, prepaid. Byer Floral Co., Shippensburg, Pa.

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Coleus—Twelve var., 2½-in. pots, \$2 per 100. Jos. H. Cunningham, Delawarsre, O.

Coleus—Coleus in varieties, 100 rooted cuttings, 70c; 2½-in., \$2 per 100. By mail add 10c per 100 on R. C. and seedlings. Cash with order. Ludvig Mosbaek, Onarga, Ill.

Coleus—Golden Bedder, Verschaffeltii and mixed in many var., from 2-in., \$2 per 100; R. C., same var. as above, 75c per 100, \$6 per 1,000. Cation Greenhouse Co., cor. 5th Ave. and Elliott St., Peoria, Ill.

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Cuphea—Cuphea, 2½-in., \$2 per 100. C. R. Hills, Grand Rapids, Mich.

Cuphea—Cuphea, 2 to 2½-in., \$2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Cuphea—Cigar plant, \$1.25 per 100, \$10 per 1,000. C. Humfeld, Clay Center, Kan.

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R. Dreyer, Woodside, L. I., N. Y.

Easter Lilies—Hinode Florist Co., Whitestone, L. I., N. Y.

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Ferns—Fancy ferns, \$1.50 per 1,000; dagger ferns, \$1.25 per 1,000; galax, 75c per 1,000, \$5.50 per case of 10,000. Laurel festooning, 4c, 5c, 6c per yd.; wild smilax, \$5.50 per 50-lb. case; laurel and Princess pine wreaths.

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Ferns—Nephrolepis Bostoniensis, Neph. cordata compacta and Neph. Piersoni, from 2½-in. pots, \$3 per 100. Nathan Smith & Son, Adrian, Mich.

Ferns—Boston ferns, 2½ to 10-in., Scottii ferns, 4, 5 and 6-in., Foster ferns, 2½ and 3-in. Small ferns for ferneries, 2½-in. Geo. A. Kuhl, Pekin, Ill.

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Ferns—N. Scottii, 2½-in., \$2 per doz., \$15 per 100, \$125 per 1,000; 5-in., \$15 per doz., \$100 per 100, \$25 at 100 rate, 250 at 1,000 rate. John Scott, Keap St. Greenhouses, Brooklyn, N. Y.

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Ferns—Boston, 2, 3 to 4-in., \$3, \$6 and \$12. Cash with order, Ludvig Mosbaek, Onarga, Ill.

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Geranium—Mme. Sallerol, strong plants, \$1.50 per 100. Jas. A. Lake, San Jose, Cal.

Geraniums—S. A. Nutt, Bruant, Trego, Mme. Carnot, La Favorite, E. G. Hill, B. de Poitevine, J. Vland, 4-in., \$3 per 100; 3-in., \$5 per 100; 2½-in., \$3 per 100. Mme. Sallerol, 2½-in., \$2.50 per 100. Cation Greenhouse Co., cor. 5th Ave. and Elliott St., Peoria, Ill.

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Ampelopsis—Ampelopsis Veitchi. W. & T. Smith Co., Geneva, N. Y.

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Lilacs—Lilacs a specialty. Jacs. Smits, Ltd., Naarden, Holland.

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Nursery Stock—Hardy, fancy and ornamental stock. Jacs Smits, Naarden, Holland. Maltus & Ware, 136 Water St., N. Y.

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Nursery Stock—Herbaceous stock. R. Van der Schoot & Son, Hillegom, Holland.

Nursery Stock—Bay trees, box trees, (pyramids, bush, standard, fancy clipped), bamboo, orange trees, etc. Julius Roehrs Co., Rutherford, N. J.

Nursery Stock—Ornamental trees, shrubs and herbaceous perennials, etc. Bay State Nurseries, N. Abington, Mass.

Nursery Stock—Philadelphia Rambler, field plants, 2 to 3 ft., \$2 per doz., \$15 per 100; 3 to 4 ft., \$3 per doz., \$20 per 100. Conard & Jones Co., West Grove, Pa.

Nursery Stock—Trees, shrubs, vines, small fruits. The Wm. H. Moon Co., Morrisville, Pa.

Nursery Stock—Wholesale growers of nursery stock. Catalogue free. W. Van Kleef & Sons, Boskoop, Holland.

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Greens—Hardy decorative supplies; high grade southern wild smilax. E. A. Beaven, Evergreen, Ala.

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Greens—Dagger and fancy ferns; bronze and green galax, laurel festooning, green and sphagnum moss, ivy leaves, Sprenger, asparagus, leucothoe sprays. Henry M. Robinson Co., 8-11 Province St., Boston.

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Shipping Boxes—Folding cut flower boxes. Holton & Hunkel Co., Milwaukee, Wis.

Shipping Boxes, Etc.—Cut flower boxes, waterproof, corner lock style. No charge for printing on orders above 250 boxes. Cash. Livingston Seed Co., Columbus, Ohio.

Stakes—We can save you money on galvanized wire rose stakes and tying. Igoo Bros., 226 N. 9th St., Brooklyn, N. Y.

Supplies—Manufacturers and importers. M. Rice & Co., 918 Filbert St., Philadelphia, Pa.

Supplies—Importers, jobbers, manufacturers of florists' supplies; western leaders. C. C. Pollworth Co., Milwaukee, Wis.

Supplies—Importers and manufacturers of florists' supplies. Write for our new catalogue F; our prices may interest you. L. Baumann & Co., 76-78 Wabash Ave., Chicago.

Supplies—Makers of wire designs and florists' supplies. Cleveland Cut Flower Co., Cleveland, O.

Supplies—Prepared fan palm leaves, \$12.50 per 1,000; palm fiber, birch bark, corn bark, moss, artificial flowers, vines and leaves. All kinds of palms. Clare & Scharrath, 170 Madison St., Chicago.

Supports, Carnation—Model extension carnation supports. Igoo Bros., 226 N. 9th St., Brooklyn.

Tobacco Stems—Fresh tobacco stems, \$1.50 per bale of 300 lbs. W. C. Beckert, Allegheny, Pa.

Toothpicks, Wired—\$1.50 per 10,000, \$6.25 per 60,000. W. J. Cowee, Mfg., Berlin, N. Y.

Vases—Andrews vases. Patented U. S. and Canada. J. K. Andrews, patentee. 414 Du Page St., Elgin, Ill.

Vases—Iron reservoir vases and lawn settees. Manufactured by McDonald Bros., Columbus, O.

Weeder—Brown's Easy Weeder, 36c each; 1/2 doz., \$1; dozen, \$3. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Wire Work—None made as good at our prices. C. C. Pollworth Co., Milwaukee, Wis.

Wire Work—E. H. Hunt, 76-78 Wabash Ave., Chicago.

Wire Work—Best work, lowest prices. Located in Flower Growers' Market. Howe & Taylor Mfg. Co., 50 Wabash Ave., Chicago.

Wire Work—Largest wire work makers in the west. E. F. Winterson Co., 45-47-49 Wabash Ave., Chicago.

Construction Materials, Boilers, Etc.

Boilers—The Pierson boiler for water or steam; a coal saver. Adapted to use any kind of fuel.

The Pierson-Sefton Co., West Side Ave., Jersey City, N. J.

Boilers—Boilers and boiler tubes. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Boilers—Get our prices. Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Boilers—Hitchings New Mogul boilers for hot water or steam. Hot water radiation from 4,200 square feet and up. Steam radiation from 2,500 square feet and up. Horticultural architects and builders. Hitchings & Co., 233 Mercer St., New York.

Boilers—Boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers—Improved greenhouse boiler, made of best material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Kroschell Bros. Co., 45 Erie St., Chicago.

Boilers—"Entirely satisfactory." That's what prominent florists say of the celebrated Furman boilers. Particularly well adapted for greenhouse heating. Write for illustrated catalogue and special florists' prices.

The Herendeen Mfg. Co., Dept. Am., Geneva, N. Y.

Boilers—Send for prices and catalogues. S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, N. Y.

Boilers—Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 6th Ave., N. Y.; 74 Franklin St., Boston.

Boilers—Water tube steam boiler. King Construction Co., N. Tonawanda, New York.

Boilers—About "Burnham" boilers. Write today to our New York office for our greenhouse heating and ventilating catalogue. Lord & Burnham Co., St. James Bldg., 1133 Broadway. General office and works, Irvington-on-Hudson, N. Y.

Boilers—New and second hand; 2 second hand steam, \$35 each. Metropolitan Material Co., 1408 Metropolitan Ave., Brooklyn, N. Y.

Building Material—Greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 615-21 Sheffield Ave., Chicago.

Building Material—Cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hot-bed sash and frames, ventilating apparatus, pipe, fittings and all supplies needed in new or reconstruction work. Illustrated catalogue sent postpaid. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material—Lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., Cor. Weed St. and Hawthorne, Chicago.

Building Material—Gulf cypress greenhouse material. Hot bed sash. We furnish everything for building. S. Jacobs & Sons, 1366-73 Flushing Ave., Brooklyn, N. Y.

Building Material—Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired.

The A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material—Every type of greenhouse manufactured, also all greenhouse fittings.

The Pierson-Sefton Co., West Side Ave., Jersey City, N. J.

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Building Material—Our designs embody best features greenhouse construction; best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material—Material from World's Fair, hothouse sash, pipe, 100,000,000 feet of lumber, sash and doors. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago, or World's Fair Grounds, St. Louis.

Building Material—Lumber, pipe, plumbing supplies, sash, doors, etc.; anything in building line. Garden City Wrecking & Lumber Co., 47th and Loomis Sts., Chicago.

Building Material—Write for prices on Gulf cypress building material. Metropolitan Material Co., 1408 Metropolitan Ave., Brooklyn, N. Y.

Glass—Importers and jobbers; greenhouse glass a specialty. Window glass. The James H. Rice Co., 30-32 Wabash Ave., 34-40 So. Water St., Chicago.

Glass—Window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass—French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York; 101 Portland St., Boston.

Glass—Roofing glass, etc. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

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Glass—New American, 50 sq. ft. to box; all standard dimensions. Metropolitan Material Co., 1408 Metropolitan Ave., Brooklyn, N. Y.

Glass—Thousands of feet of glass suitable for greenhouses and hot beds. Garden City Wrecking & Lumber Co., 47th and Loomis Sts., Chicago.

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If you do not find what you need in our Ready Reference Department, write us about it.

Glazing Points—See the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 76c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Gutters—New duplex gutter, only drip proof gutter on the market.

E. Hippard, Youngstown, O.

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Oil, White Lead, Paint, Putty, Etc.—Metropolitan Material Co., 1398-1408 Metropolitan Ave., Brooklyn, N. Y.

Paint, Putty, Etc.—The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

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Pipe, Pipe Cutters, Etc.—Pipe, stocks and dies, pipe cutters, Stillson wrenches, pipe vises, hotbed sash, etc. Metropolitan Material Co., 1408 Metropolitan Ave., Brooklyn, N. Y.

Pipes, Iron Fittings, Etc.—Galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized turn buckles and wire. Fittings for purline and ridge supports.

Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipes and Iron Fittings—S. Jacobs & Sons, 1365-73 Flushing Ave., Brooklyn, New York.

Pumps—Rider-Ericsson, second hand, \$40 up. Metropolitan Material Co., 1408 Metropolitan Ave., Brooklyn, N. Y.

Pumping Engines—Two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, Ohio.

Steam Traps—Steam traps save coal. Return steam trap, used by up-to-date greenhouse men, returns condensed water from the heating coils in greenhouse. Have been in use over 30 years. Insures an even temperature.

Albany Steam Trap Co., Albany, N. Y.

Steam Traps—The Standard return steam trap has no equal for its simplicity of working.

E. Hippard, Youngstown, Ohio.

Steam Traps—Morehead traps insure free circulation in coils. Save fuel.

American Blower Co., Detroit, Mich.

Ventilating Apparatus—Send for prices and catalogues.

S. Jacobs & Sons, 1365-1373 Flushing Ave., Brooklyn, N. Y.

Ventilators—We furnish high grade ventilating apparatus, raising the sashes in greenhouses and other buildings.

Lord & Burnham Co., 1133 Broadway, N. Y. General office and works, Irvington-on-Hudson, N. Y.

Ventilators—The New Departure ventilating appliance, cheapest and best. If you doubt, try it and be convinced.

J. D. Carmody, Evansville, Ind.

Ventilating Apparatus—Send for circulars.

Diller, Caskey & Co., Cor. 6th and Berk Sts., Philadelphia.

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Quaker City Machine Works, Richmond, Ind.

Ventilators—The Standard ventilating machinery; original machine with self-rolling cups; most powerful, least complicated, very compact.

E. Hippard, Youngstown, O.

Ventilators—Foley ventilating apparatus. Foley Mfg. Co., 471 W. 22d St., Chicago.

Ventilators—Hand ventilators, etc. The King Construction Co., N. Tonawanda, N. Y.

Boston.

STOCK MOVES FREELY.

During the first part of the week just passed the market was still in the midst of the "before Easter" dullness, but it has picked up decidedly the last of the week and all varieties of flowers and plants are selling freely at good prices. Easter lilies are appearing in abundance and are of exceptionally good quality selling at from 10 to 12½ cents apiece. Roses of all varieties have been selling a little more freely this week at the lower prices. Carnations are selling well at from 2 to 3 cents for the ordinary varieties and 4 cents for the choice ones.

The supply of sweet peas and of violets is exceedingly short, and the prices of these two flowers as a result are away up.

Bulb stock has been cleaning up well at from \$2 to \$3 for the singles.

If the weather keeps steady now there will be a great rush of business next week in all the different florists' lines; the retailers in particular are making great preparations for window displays.

NOTES.

Anderson & Williams, of Waltham, have a new lot of American Beauty growing in their new house and they may be able to get quite a cut off them for Easter. The plants are some of the thriftiest seen in this vicinity. They are grown in a house which uses the system of automatic ventilators which in a measure probably accounts for their good condition. Their house of Boston ferns is also in exceptionally good condition, the plants all being very vigorous.

The firm of E. N. Peirce & Sons have on hand one of the largest displays of Easter lilies ever seen in New England and the general public and many of the florists have taken the opportunity afforded to see them. One of their longest houses is entirely filled with lilies, there being fully 200,000 blooms in this one house.

Edward MacMulkin of Boylston street had a very attractive window the past week, it being a green effect, made up of mignonette and maiden-hair ferns with small fir trees for a background, and several baskets of fruit to lend color.

N. F. McCarthy & Company held the first of their spring auction sales on Friday, and there were a large number of buyers in attendance. Over 15,000 hardy roses were disposed of, besides large numbers of rhododendrons, box trees and azaleas.

Two men from some one of the Providence department stores have been in town the past week buying up all the roses in sight to be used as gifts for their patrons. They took 4,000 from one grower, it is said.

B. F. Washington, of Stoughton, has been bringing in to the new market some exceptionally fine white stocks in pots, and he is obtaining good prices because of its quality.

The Boston Cut Flower Company of Bromfield street is making preparations for an extensive display of Easter plants, including lilies, azaleas and Crimson Rambler.

Thomas Galvin furnished the decorations for the house wedding of Miss Canterbury and Dr. Smith at the house of the bride in Brookline on April 3. evening.

James Galvin, formerly with N. S. Wax & Company of Tremont street, has accepted a position with Rosenthal of Bromfield street.

C. O. Saunders of the Belmont Hill Nurseries died last week. He was one of the best known nurserymen of this locality.

William Glidden, J. A. Budlong's representative in Boston is now recovering from a severe attack of typhoid fever.

Norton, the florist of Park street, has just finished fixing up the vases and lawns for the Hotel Brunswick.

John Walsh, the manager of the Boston Flower Market, is ill with an attack of sciatic rheumatism.

William J. Elliott has just returned from a trip to Washington. He reports an enjoyable time.

Mann Brothers have been bringing in to the Boston Market a large supply of assorted tulips.

J. J. McCormack of Malden, has opened a wholesale flower store on Arch street, Boston.

Henry M. Robinson & Company are selling a large number of ferns for the Easter trade.

J. M. Cohen of Bosworth place has closed up his store and gone out of business.

H. P. S.

Louisville.

MARKET SATISFACTORY.

The previous week was a very busy and satisfactory one, there being quite a demand for nearly everything. The planting of hardy ivy and roses has begun, and the demand has been very good. The weather has undergone a serious change, snow falling heavily April 16. The change was very favorable, as it tended to hold back some of the Easter stock. The outlook for cut flowers for Easter is not quite as favorable now, and a week more of the warm weather we have been having would have helped considerably. Roses are of excellent quality, but the supply is rather short, with the demand very good. Carnations would have been in very heavily for Easter, but the cold weather held them back considerably. The quality is excellent and the demand very brisk. There is quite a demand for lily of the valley, the quality and supply being satisfactory. The quality of mignonette is fair, with the demand and quantity satisfactory. There has been a slight glut on lilies for a few days, although the demand has been very good.

TRADE NOTES.

William Walker's carnations are in very good condition considering the lateness. Mrs. T. W. Lawson, Enchantress and Flora Hill being exceptionally good. A bed of Kaiserin roses is nearly covered with buds, the stock being in very good shape.

Schulz's have an excellent lot of choice plants, such as azaleas, rhododendrons, spireas, hydrangeas, and some very fine plants of the newer varieties of geraniums for Easter sale. They had two long benches erected to help display their tremendous stock.

Visitors: T. C. Joy, of the Joy & Son Company, Nashville, Tenn.; C. L. Baum, of Knoxville, Tenn., and W. S. Bell, of Lexington, Ky.

F. L. S.

Directory for 1905.

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